Dear VIZIO Customer,

Congratulations on your new VIZIO E320VP television purchase. To get the most out of your new VIZIO HDTV, read these instructions before making any adjustments, and retain them for future reference. We hope you will experience many years of enjoyment from your new VIZIO High Definition Television.

For assistance, call 877-MYVIZIO (877-698-4946) or e-mail us at www.VIZIO.com.

To purchase or inquire about accessories and installation services for your VIZIO HDTV, visit our website at www.VIZIO.com or call toll free at 888-849-4623.

We recommend you register your VIZIO HDTV either at our website www.VIZIO.com or fill out and mail your registration card. For peace of mind and to protect your investment beyond the standard warranty, VIZIO offers on-site extended warranty service plans. These plans give additional coverage during the standard warranty period. Visit our website or call us to purchase a plan.

Write down the serial number located on the back of your HDTV for easy reference when obtaining warranty support:

Serial #: _____ Purchase Date _____

VIZIO is a registered trademark of VIZIO, Inc. dba V, Inc.

HDMI logo and "High Definition Multimedia Interface" are registered trademarks of HDMI Licensing LLC.

Manufactured under license from Dolby Laboratories.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

TruSurround HD and TruVolume are trademarks of SRS Labs, Inc.

TruSurround HD and TruVolume technologies are incorporated under license from SRS Labs, Inc.

This product qualifies for ENERGY STAR in the "factory default (Home Use)" setting and this is the setting in which power savings will be achieved. Changing the factory default picture setting or enabling other features will increase power consumption that could exceed the limits necessary to qualify for Energy Star rating.

THE TRADEMARKS SHOWN HEREIN ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS; IMAGES USED ARE FOR ILLUSTRATION PURPOSES ONLY. VIZIO, THE V LOGO, WHERE VISION MEETS VALUE AND OTHER VIZIO TRADEMARKS ARE THE INTELLECTUAL PROPERTY OF VIZIO INC. PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. © 2010 VIZIO INC. ALL RIGHTS RESERVED.

Important Safety Instructions

Your HDTV is designed and manufactured to operate within defined design limits. Misuse may result in electric shock or fire. To prevent your HDTV from being damaged, the following rules should be observed for the installation, use, and maintenance of your HDTV. Read the following safety instructions before operating your HDTV. Keep these instructions in a safe place for future reference.

Warning:

1. To reduce the risk of electric shock or component damage, switch off the power before connecting other components to your HDTV.
2. Unplug the power cord before cleaning your HDTV. A damp cloth is sufficient for cleaning your HDTV. Do not use a liquid or a spray cleaner for cleaning your HDTV. Do not use abrasive cleaners.
3. Always use the accessories recommended by the manufacturer to insure compatibility.
4. When moving your HDTV from an area of low temperature to an area of high temperature, condensation may form in the housing. Wait before turning on your HDTV to avoid causing fire, electric shock, or component damage.

5. Use only with the cart, stand, tripod, bracket, or table specified by manufacturer or sold with your HDTV. When a cart is used, use caution when moving the cart/HDTV combination to avoid injury from tip-over. Do not place your HDTV on an unstable cart, stand, or table. If your HDTV falls, it can injure a person and cause serious damage to your HDTV. Use only a cart or stand recommended by the manufacturer or sold with your HDTV.
6. A distance of at least three feet should be maintained between your HDTV and any heat source, such as a radiator, heater, oven, amplifier etc. Do not install your HDTV close to smoke. Operating your HDTV close to smoke or moisture may cause fire or electric shock.
7. Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of your HDTV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your HDTV in a bookcase or cabinet unless proper ventilation is provided.
8. Never push any object into the slots and openings on your HDTV cabinet. Do not place any objects on the top of your HDTV. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your HDTV.
9. Your HDTV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
10. Do not apply pressure or throw objects at your HDTV. This may compromise the integrity of the display. The manufacturer's warranty does not cover user abuse or improper installations.
11. The power cord must be replaced when using different voltage than the voltage specified. For more information, contact your dealer.
12. Your HDTV is equipped with a **three-pronged grounded plug (a plug with a third grounding pin)**. This plug will fit only into a grounded power outlet. This is a safety feature. If your outlet does not accommodate the three-pronged, have an electrician install the correct outlet, or use an adapter to ground your HDTV safely. **Do not defeat the safety purpose of the grounded plug.**
13. When connected to a power outlet, power is always flowing into your HDTV. To totally disconnect power, unplug the power cord.

14. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-isolated, dangerous voltage within the inside of your HDTV that may be of sufficient magnitude to constitute a risk of electric shock to persons.
15. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying your HDTV.

16. Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
17. The wall socket should be installed near your HDTV and easily accessible.
18. Only power of the marked voltage can be used for your HDTV. Any other voltage than the specified voltage may cause fire or electric shock

19. Do not touch the power cord during lightning. To avoid electric shock, avoid handling the power cord during electrical storms.
20. Unplug your HDTV during a lightning storm or when it will not be used for long period of time. This will protect your HDTV from damage due to power surges.
21. Do not attempt to repair or service your HDTV yourself. Opening or removing the back cover may expose you to high voltages, electric shock, and other hazards. If repair is required, contact your dealer and refer all servicing to qualified service personnel.
22. Keep your HDTV away from moisture. Do not expose your HDTV to rain or moisture. If water penetrates into your HDTV, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
23. Do not use your HDTV if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair your HDTV yourself.
24. Avoid using dropped or damaged appliances. If your HDTV is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of your HDTV may cause fire or electric shock.
25. Do not install your HDTV in an area with heavy dust or high humidity. Operating your HDTV in environments with heavy dust or high humidity may cause fire or electric shock.
26. Follow instructions for moving your HDTV. Ensure that the power cord and any other cables are unplugged before moving your HDTV.
27. When unplugging your HDTV, hold the power plug, not the cord. Pulling on the power cord may damage the wires inside the cord and cause fire or electric shock. When your HDTV will not be used for an extended period of time, unplug the power cord.
28. To reduce risk of electric shock, do not touch the connector with wet hands.
29. Insert batteries in accordance with instructions. Incorrect polarities may cause the batteries to leak which can damage the remote control or injure the operator.
30. If any of the following occurs, contact the dealer:
    - The power cord fails or frays.
    - Liquid sprays or any object drops into your HDTV.
    - Your HDTV is exposed to rain or other moisture.
    - Your HDTV is dropped or damaged in any way.
    - The performance of your HDTV changes substantially.

Television Antenna Connection Protection

External Television Antenna Grounding

If an outside antenna/satellite dish or cable system is to be connected to the TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.

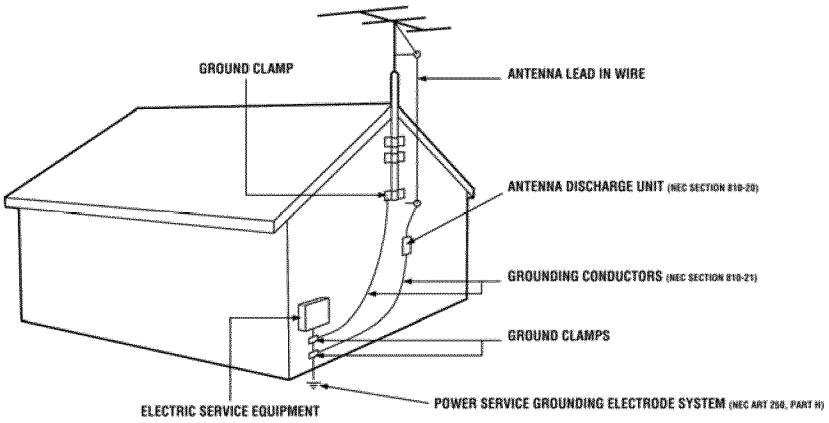
Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.

Lightning Protection

For added protection of the TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the TV from the wall outlet and disconnect the antenna or cable system.

Power Lines

Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

Remember, the screen of the coaxial cable is intended to be connected to earth in the building installation.

Advisory of the DTV Transition

The nationwide switch to digital television broadcasting will be complete on June 12, 2009, but your local television stations may switch sooner. After the switch, analog-only television sets that receive TV programming through an antenna will need a converter box to continue to receive over-the-air TV. Watch your local stations to find out when they will turn off their analog signal and switch to digital-only broadcasting. Analog-only TVs should continue to work as before to receive low power, Class A or translator television stations and with cable and satellite TV services, gaming consoles, VCRs, DVD players, and similar products.

For additional information, contact the parties listed below, as appropriate:

FCC (US Federal Communications Commission)
http://www.fcc.gov/
Phone: 1-888-CALL-FCC (1-888-225-5322)
TTY: 1-888-TELL-FCC (1-888-835-5322)
Fax: 1-866-418-0232
E-mail: fccinfo@fcc.gov

NTIA (National Telecommunications and Information Administration)
http://www.ntia.doc.gov/
1-888-DTV-2009

Listings of US Television Stations
http://www.high-techproductions.com/usTVstations.htm

Note: Your VIZIO HDTV is capable of receiving Digital Broadcasts, and no Digital Converter Box is required.

Table of Contents

Important Safety Instructions 2
Television Antenna Connection Protection 4
Advisory of the DTV Transition 5

CHAPTER 1 SETTING UP YOUR HDTV 10

Finding a Location for Your HDTV 10
Attaching the TV Stand 10
Wall Mounting your HDTV 11

CHAPTER 2 BASIC CONTROLS AND CONNECTIONS 12

Front Panel 12
Side Button Controls 12
Rear Panel Connection 13
Side Panel Connections 13

CHAPTER 3 VIZIO REMOTE CONTROL 14

Installing the Batteries 14
Remote Control Range 14
VIZIO Remote Control Precautions 14
Remote Control Buttons 15

CHAPTER 4 GETTING STARTED 16

CHAPTER 5 USING YOUR HDTV FOR THE FIRST TIME 17

Select Input Source 17
Watching a TV Program 17
Viewing Digital TV Program Information 18

CHAPTER 6 CONNECTING EQUIPMENT 19

Which Video Connection Should I Use? 19
Connecting Your Cable/Satellite Box 20
Using HDMI (Best) 20
HDMI Connections for Cable or Satellite Boxes with DVI 20
Using Component Video (Better) Using Component Video (Better) 21
Using Composite (AV) Video (Good) 21
Using Coaxial (Antenna) (Good) 22
Connecting Your DVD Player 22
Using HDMI (Best) 22
HDMI Connections for DVD Players with DVI 23
Using Component Video (Better) 23
Using Composite (AV) Video (Good) 24
Connecting Coaxial (RF) 24
Using Your Antenna or Digital Cable for Standard or Digital TV 24
Connecting Your VCR or Video Camera 25
Connecting a Home Theater System 25
Connecting a Computer 26
RGB (VGA) 26
Using HDMI 26

CHAPTER 7 VIEWING PICTURES 27

Viewing Pictures 27
Adjusting Photo Settings 27
Adjusting Photo Settings 28

Slideshow Mode 28
Repeat 28
Sort By 28
Duration 28
Slideshow Effect 28
Thumbnail Size 28
Info 28

CHAPTER 8 ADJUSTING YOUR HDTV SETTINGS 29

Using the On-screen Display (OSD) 29
Input Menu 29
Wide Menu 30
Normal 30
Wide 30
Panoramic 30
Stretch 30
CC (Closed Caption) Menu 30
Adjust closed caption options. 30
Analog Closed Caption 30
Digital Closed Caption 30
Digital CC Style 31
Sleep Timer Menu 31
Picture Menu 31
Picture Mode 31
Backlight 31
Brightness 31
Contrast 31
Color 31
Tint 32
Sharpness 32
More 32
Audio Menu 33
Audio Mode 33
Balance 33
Lip Sync 33
TV Speakers 34
Advanced Audio 34
Equalizer Settings 34
Reset Audio Mode 34
Settings Menu 35
Tuner 35
Name Input 36
Parental Controls 36
Menu Language 38
Time & Local Settings 38
CEC 39
Media Menu 39
Slideshow Mode 39
Repeat 39
Sort By 39
Duration 40
Slideshow Effect 40
Thumbnail Size 40
Info 40

CHAPTER 9 MAINTENANCE AND TROUBLESHOOTING 40

Cleaning the TV and Remote Control 40
Troubleshooting Guide 41
TV/Display Troubleshooting 41
Audio Troubleshooting 43
Remote Control Troubleshooting 44
Telephone & Technical Support 44

CHAPTER 10 SPECIFICATIONS 45

E320VP Specifications 45
Compliance 46
FCC Class B Radio Interference Statement 46
Preset PC Resolutions 47
Resolution through RGB Input 47

WARRANTY 48

INDEX 49

Opening the Package

Your HDTV and its accompanying accessories are carefully packed in a cardboard carton that has been designed to protect it from transportation damage. After you have opened the carton, check that your HDTV is in good condition and that all of the contents are included.

The screen can easily be scratched or broken, so handle your HDTV gently and never place your HDTV with the glass facing downwards on a surface without protective padding.

IMPORTANT: Save the carton and packing material for future shipping.

Package Contents

- VIZIO E320VP
- VIZIO remote control VR15
- AA batteries for the remote control (2)
- AC/DC power adapter
- Detachable base
- This user manual
- Quick Setup Guide
- Registration Card

HDTV Accessories and Services

Additional certified accessories for your HDTV are sold separately, including:

- Wall mounts
- High Definition cables
- Extra or replacement remote controls
- Sound Bars
- Blu-ray DVD Players

VIZIO also offers installation services and extended warranty services for your HDTV. To purchase or inquire about additional accessories and services for your VIZIO HDTV, visit our website at www.VIZIO.com or call us toll free at **877-MYVIZIO** (877-698-4946).

Caution: Do not apply pressure or throw objects at your HDTV (including game controllers).

This may compromise the integrity of the display. The manufacturer's warranty does not cover user abuse or improper installations.

Chapter 1 Setting Up Your HDTV

Finding a Location for Your HDTV

- The power consumption of your HDTV is about <51.5W (Avg).
  - Use the included power cord.
  - When an extension cord is required, use one with the correct power rating. The 3-pronged cord must be grounded and the grounding feature (3rd prong) must not be compromised.
- Install your HDTV on a flat surface to avoid tipping.
- For proper ventilation, you must allow space between the back of your HDTV and the wall.
- Avoid installing your HDTV in places with high humidity, dust, or smoke so you do not shorten the service life of the electronic components.
- Install your HDTV in a level, landscape orientation, with the VIZIO logo at the bottom to prevent poor ventilation and excessive component damage.
- If you want to mount your HDTV on the wall, see below for additional information.
- Read this user manual carefully before installing your HDTV.

VIZIO offers professional installation services including home networking. Contact VIZIO for more information on these services at **877-MYVIZIO** (877-698-4946) or www.VIZIO.com.

Attaching the TV Stand

Note: We strongly recommend that two people perform the setup and assembly due to the weight and size of the TV.

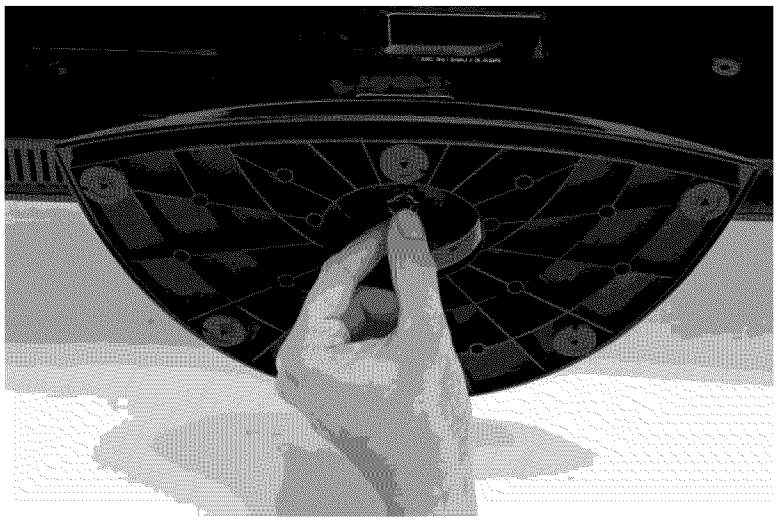
Unpack the TV and stand base

1. Remove the two top foam end caps.
2. Remove the stand base and accessory box from packaging.
3. Remove the TV from the box and lay it face down on a clean, padded, flat surface.

Note: Make sure that the surface is free of debris to prevent the TV screen from getting scratched.

Attach the TV stand base

1. Align the stand base to the stand neck already attached to the TV.
2. Slide the base on and tighten the thumb screw to secure.

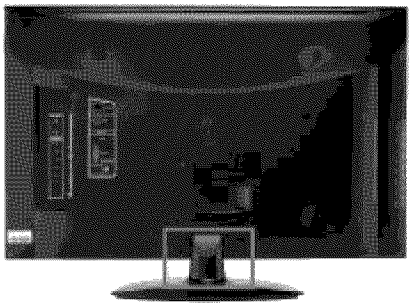


Wall Mounting your HDTV

Your HDTV can be mounted on the wall for viewing. If you choose to mount your HDTV on the wall, follow the instructions below.

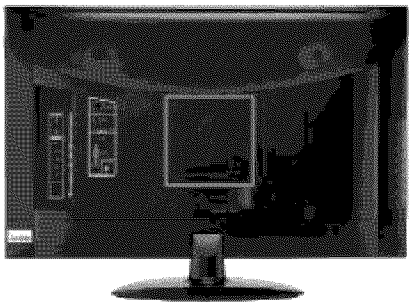
1. Write down the serial number located on the back of your HDTV in the space provided on page 1 to have it handy if you need to call for support.

2. Remove the stand base and neck:
    a. Disconnect the cables from your HDTV.
    b. Place your HDTV face down on a soft, flat surface to prevent damage to the screen.
    c. Remove the cover on the stand neck.
    d. Remove the four (4) screws holding the stand neck, and then remove the neck and base.



Note: To remove the base from the neck, unscrew the thumbscrew on the bottom.

3. Mount your HDTV on the wall:
    a. Attach your HDTV to a wall mount (sold separately) using the mounting holes in the back panel of your HDTV.
    b. Read the instructions that came with your specific wall mount to properly hang your HDTV.



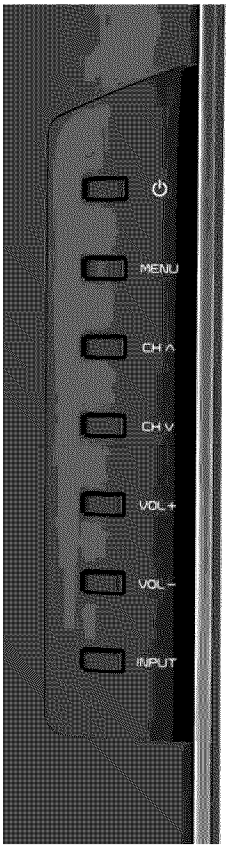
Wall Mounting Specifications	
Screw Size	M4
Screw Length	12.0 mm
Screw Pitch	0.7 mm
Hole Pattern	VESA standard 100 x 100 mm spacing

Chapter 2 Basic Controls and Connections

Front Panel

Remote Control Sensor—Point the remote control directly at this window on the lower left corner of your HDTV for the best response to the remote signal.

Side Button Controls



POWER (⏻)—Turn your HDTV on by pressing the button once. Press the button again to turn your HDTV off.

MENU—Press to launch the on-screen menu. If a sub-menu is active, this button will proceed to the next level.

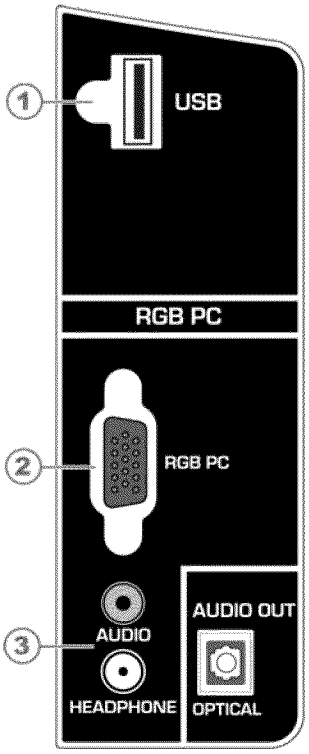
CH ▲/▼—Press to change the channels up or down. While the menu is active, these buttons function as up and down controls.

VOL +/- —Press to increase or decrease the speaker volume. While the menu is active, these buttons function as left and right controls.

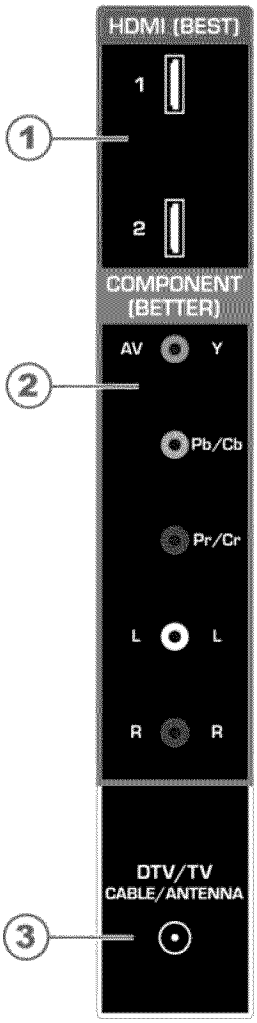
INPUT (SELECT)—Press to cycle through the various devices connected to your TV (called Inputs). The inputs cycle in the following sequence: **TV**, **Comp/AV**, **HDMI-1**, **HDMI-2**, **RGB**, and **Media**. After you have stepped through the entire sequence, you will return to the beginning. If a sub-menu is active, pressing this button will return to the previous menu level. Additionally, when the menu is active, this button confirms the menu function to be adjusted.

Note: When using an AV (composite) connection, the yellow cable needs to be connected to the green jack on the side of your HDTV.

Rear Panel Connection



1. **USB**—Service port for use by a professional service technician. Register your HDTV to receive future product updates including upgrades for these ports.
2. **RGB PC**—Connect the video and audio from a computer here. Connect a 1/8" mini plug stereo connector from the computer to your HDTV if you want the sound to come from your HDTV speakers.
3. **AUDIO OUT**:
   - **HEADPHONE**—Connect your headphones for personal listening.
   - **OPTICAL**—When digital TV is selected for viewing, the audio associated with the programming will be available on the S/PDIF Optical connector for connection to a VIZIO Sound Bar or your home theater system.

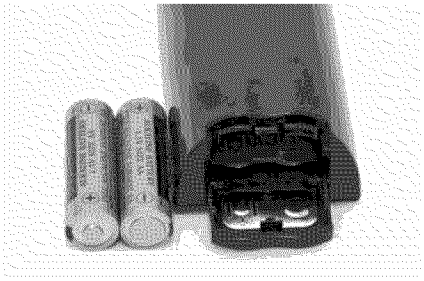


Side Panel Connections

1. **HDMI 1 and 2**—Connect digital video devices such as a DVD player or Set-Top Box through this all digital connector.
2. **COMPONENT (Y Pb/Cb Pr/Cr with L/R Audio)—**
   - Connect Component video devices such as a DVD Player or Cable/Satellite box here.
   - You can also connect Composite (AV) video devices such as camcorders and VCRs here. Connect the yellow video cable to the green Component Y jack and then connect the red and white audio cables to the Component L/R jacks.
3. **DTV/TV**—Connect to an antenna or digital cable source. For digital TV stations in your area visit www.antennaweb.org. For Cable and Satellite boxes, we recommend that you use a HDMI cable connection for high definition image quality.

Chapter 3 VIZIO Remote Control

Installing the Batteries



1. Remove the battery cover.
2. Insert two AA batteries into the remote control. Make sure that you match the (+) and (-) symbols on the batteries with the (+) and (-) symbols inside the battery compartment
3. Replace the battery cover.

Precautionary Tips for Inserting the Batteries:

- Only use AA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage that may cause a fire or lead to personal injury.
- Inserting the batteries incorrectly may also result in cracking or leakage that may cause a fire or lead to personal injury.
- Dispose of batteries according to local hazardous waste regulations.
- Keep the batteries away from children and pets.

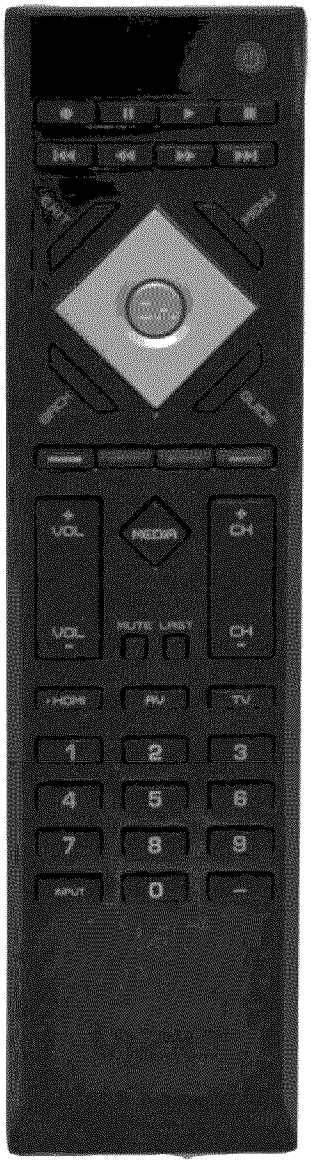
Remote Control Range

- Point the remote control directly at this sensor for the best response to the remote signal.
- Do not place any obstacles between the remote control and the remote control sensor.
- The effective range of the remote control is approximately 22 feet (7 meters) from the front of the remote control sensor, 30° to the left and right, 20° up and down.

VIZIO Remote Control Precautions

- The remote control should be kept dry and away from heat sources. Avoid humidity.
- If your HDTV responds erratically to the remote control or does not respond at all, check the batteries. If the batteries are low or exhausted, replace them with fresh batteries.
- When not using the remote control for a long period of time, remove the batteries.
- Do not take the batteries apart, heat them, or throw them into a fire.
- Do not subject the remote control to undue physical stress, such as striking or dropping it.
- Do not attempt to clean the remote control with a volatile solvent. Wipe it with a clean, damp cloth.

Remote Control Buttons



POWER (⏻)—Press to turn the TV on from the Standby mode. Press it again to return to the Standby mode.

CEC-Supported Buttons:

CEC needs to be set up and enabled for these buttons to work. See *CEC* on page 39 for more information.

- ● (Record)—Press to begin recording on your CEC-supported device.
- ❚❚ (Pause)—Press to pause playback on your CEC-supported device.
- ► (Play)—Press to start Playback on your CEC-supported device.
- ■ (Stop)—Press to stop playback/recording on your CEC-supported device.
- ⏮ (Previous)—Press to skip the previous track on your CEC-supported device.
- ◄◄ (Reverse)—Press to reverses playback on your CEC-supported device.
- ►► (Fast Forward)—Press to fast forward playback on your CEC-supported device.
- ⏭ (Next)—Press to skip to the next chapter on your CEC-supported device.

EXIT—Press to exit from open menus.

MENU—Press to open the On-Screen Display (OSD) menu.

OK—Press this button to display the Channel List. Press to confirm selections for On-Screen Display (OSD) menus.

Silver Diamond (represented by ▲▼◄ ► in the manual instructions)—Pressing up, down, left, or right on the points of the diamond are used to navigate the OSD menu. They will also be used as value settings when the slide bar is shown on the screen and option settings to turn a feature off or on.

BACK—Press to return to a previous OSD menu.

GUIDE—Press to display detailed program information when viewing a digital TV program.

Color Buttons (Yellow, Blue, Red, & Green)—These buttons currently do not operate any functions on your HDTV.

VOL +/- —Press to turn the volume up or down.

MEDIA – Use this button to access the USB drive to view your pictures.

MUTE—Press to turn the sound on and off.

LAST— Press to recall the previously viewed channel.

CH +/- —Press to change the channels up or down

HDMI—Press to select the HDMI input. Press repeatedly to cycle between both HDMI inputs.

AV—Press to select the AV input.

TV—Press to select the TV input.

Number Button Pad—Press to select a channel or enter a password.

INPUT—Press to cycle through the various devices connected to your TV (called Inputs). The inputs cycle in the following sequence: **TV**, **Comp/AV**, **HDMI-1**, **HDMI-2**, **RGB**, and **Media.** After you have stepped through the entire sequence, you will return to the beginning.

- (DASH)—Press to insert a dash between the main and sub-channels. For example, channel 28-2 would be selected by the button sequence 2, 8, DASH, 2.

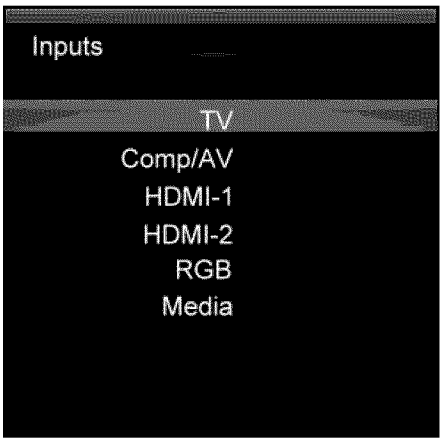
Chapter 4 Getting Started

Your HDTV has a built-in setup App that runs when you turn on your TV for the first time. Follow the on-screen directions to easily setup your new HDTV.

1. Insert the batteries into the remote control.
2. Connect the power cord to the power cord connector on the back of your HDTV, and then plug the power cord into an AC wall socket.
3. Connect your devices to your HDTV (see Chapter 2 for detailed steps).
4. Turn on your TV. The Setup App will automatically play and guide your thru the initial setup of your HDTV. Use the Arrow and OK buttons to navigate through the setup App. During the setup process you will:
    - Choose your **Menu Language**.
    - Set the TV to **Home Mode** for the best picture and most efficient energy usage.
    - Set your **Time Zone** and **Daylight Savings** preferences.
    - Add your TV channels (unless you have a Cable/Satellite Set-Top Box).

Chapter 5 Using your HDTV for the first time

Select Input Source



Select the input source for your HDTV by pressing **INPUT** on the remote control or the side of your TV. Pressing this button will cycle you through the following options: **TV**, **Comp/AV**, **HDMI-1**, **HDMI-2**, **RGB**, and **Media**.

Turn on your device and you will see a picture on your HDTV. If there is no picture, make sure you have selected the correct input on your HDTV.

Note: If the selected device is RF connected, your HDTV must be in **TV** mode and on either channel 3 or channel 4 matching the channel which has been selected on the back of the VCR, Cable Box, External TV Tuner or Satellite Receiver. Refer to Owner or User's Manual of such equipment for details.

Watching a TV Program

Before you start watching TV, make sure that any cable, satellite or off-air antenna connections are secure. Also, verify that the AC/DC power adapter is plugged into a correctly grounded electrical outlet or surge protector.

1. Press the power button on the remote control. The VIZIO logo on the front will light up white.
2. Select the input to which your device is connected that provides TV programming (i.e. TV, HDMI, COMP/AV).

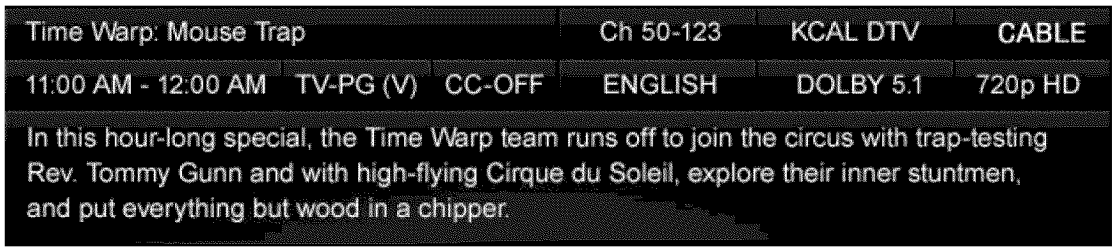
Note: You should be able to see a picture. If you do not, make sure that all of your HDTV connections are secure and you have selected the correct video input source. Each press of the **INPUT** button on the remote control will cycle through the available inputs. Press the button until the input associated with the device you want to view is shown.

3. When using the TV input, press the channel buttons on the remote control or the TV to change the channel. The channel buttons will not work if you are watching a program using **HDMI** or **Comp/AV** inputs.

Note: If your HDTV is in **TV** mode, pressing **CH+** and **CH-** will not work until a channel scan has been been run. See *Auto Channel Search* on page 35.

Viewing Digital TV Program Information

When the channel is changed or when you press **GUIDE**, an information header is shown over the picture for a few seconds. Press **GUIDE** again to display more information about the program and schedule.

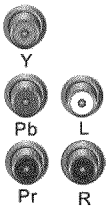

Time Warp: Mouse Trap
Ch 50-123
KCAL DTV
CABLE
11:00 AM - 12:00 AM
TV-PG (V)
CC-OFF
ENGLISH
DOLBY 5.1
720p HD
In this hour-long special, the Time Warp team runs off to join the circus with trap-testing Rev. Tommy Gunn and with high-flying Cirque du Soleil, explore their inner stuntmen, and put everything but wood in a chipper.

4-10
20-1 KBWB-HD
20-2
Tomorrow 3:30 PM Project Runway
Tomorrow 4:30 PM American Next Top Model
Tomorrow 5:30 PM 500 Days of Summer
Tomorrow 8:00 PM Soul Train
Tomorrow 8:30 PM Sponge Bob Square Pants- Jellyfish Catching
3:00 AM - 3:30 AM Mon, 27-Jun
Not Rated
Project Runway is an American reality television series on Lifetime Television, previously on the Bravo network, which focuses on fashion design and is hosted by model Heidi Klum. The contestants compete with each other to create the best clothes and are usually restricted in time, materials, and theme. Their designs are judged and one or more designers are eliminated each week.

Chapter 6 Connecting Equipment

Which Video Connection Should I Use?

You have several options for connecting your video equipment box to your HDTV from a basic connection to the most advanced for digital displays. Based on your Home Theater configuration, you can decide which option is the right one for you.

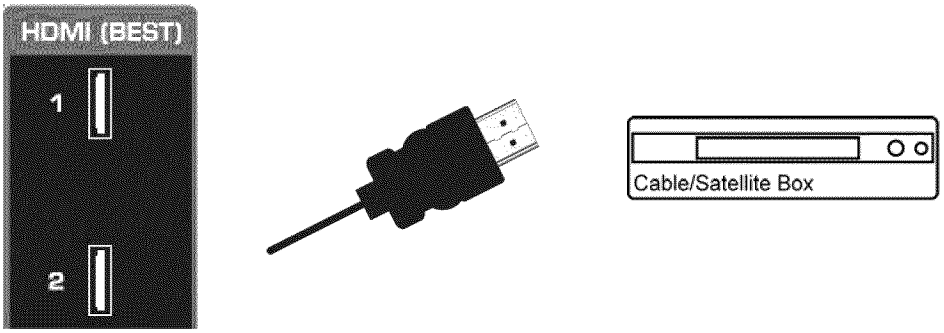
Connection Quality (type)	Connector	Description
Best (digital)		**HDMI** delivers the best image quality of any of the cable types available and it's all done over one cable. You get a great picture and cut down on your cable clutter. HDMI provides digital quality and amazing sound so if your TV has HDMI, this is the connection type you should be using.
Best (digital) - - - - - - - - - - - Good (analog)		Connect your **antenna** or **coaxial** cable to watch TV programming. This cable usually comes from your Cable box or right out of the wall.
Best (analog)		The **RGB (VGA)** port allows you to connect your computer so you can use your HDTV as your monitor.
Better (analog)		**Component** consists of three cables for transmitting video and two cables for transmitting audio: one red and one white. Component video provides a sharper image than Composite video and should be used instead of Composite when possible. However, because it is still an analog connection, it won't provide the high-quality video and audio that HDMI can produce.
Good (analog)		**Composite** consists of one yellow cable for transmitting video and two cables for transmitting audio: one red and one white. It is capable of transmitting stereo sound and standard definition video (480i). While it provides a good image, it has lower image quality than HDMI or Component. So try to use one of those connections first. **Note:** When using an AV (composite) connection, the yellow cable needs to be connected to the green jack on the side of your HDTV.

Note: To maintain the display quality, use a VIZIO certified HDMI cable. This cable is available in 6, 8, and 12 foot lengths. Visit www.vizio.com or call 1-888-VIZIOCE (1-888-849-4623) for details.

Connecting Your Cable/Satellite Box

Using HDMI (Best)

Cable and Satellite Boxes that have a HDMI digital interface should be connected using HDMI for optimal results. To maintain image quality, use a VIZIO certified HDMI cable. This cable is available in 6, 15, and 30 foot lengths. Visit www.VIZIO.com or call **877-MYVIZIO** (877-698-4946) for details.

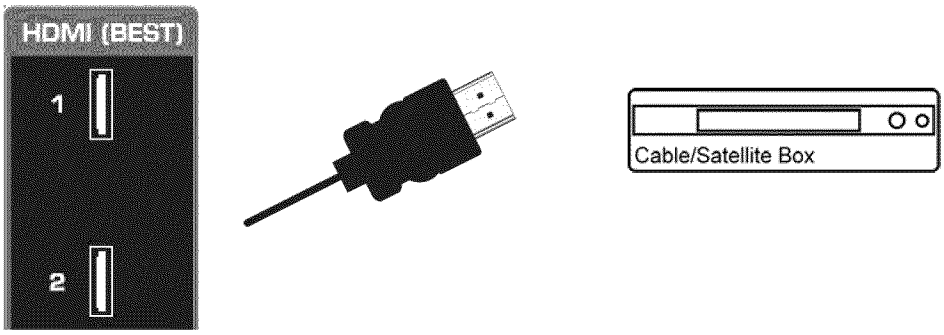


1. Turn off your HDTV and Cable/Satellite box.
2. Connect an HDMI cable to the **HDMI** output of your Cable/Satellite box and the other end to the **HDMI 1** or **2** jack on your HDTV.
3. Turn on the power to your HDTV and your Cable/Satellite box.
4. Select **HDMI-1** or **HDMI-2** the **INPUT** button on the remote control or side of your HDTV.

Note:

- The HDMI input on your HDTV supports High-bandwidth Digital Content Protection (HDCP). HDCP encrypts the transmission between the video source and the digital display for added security and protection.
- Refer to your Cable/Satellite Box user manual for more information about the video output requirements of the product or consult your Cable or Satellite operator.

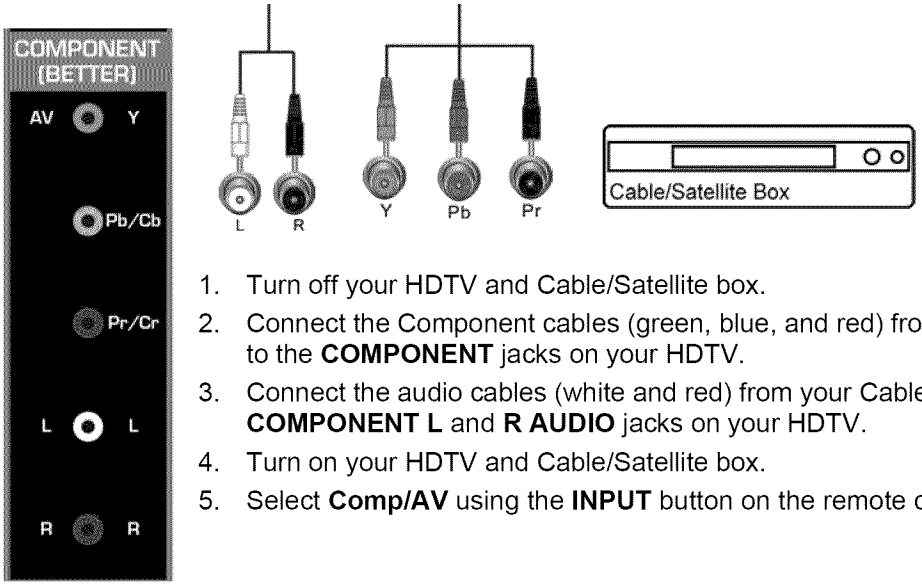
HDMI Connections for Cable or Satellite Boxes with DVI



5. Turn off your HDTV and Cable/Satellite box.
6. Using a HDMI-DVI cable, connect the DVI end to your Cable/Satellite box and the HDMI end to the **HDMI 1** or **2** jack on your HDTV.
7. Turn on the power to your HDTV and your Cable/Satellite box.
8. Select **HDMI-1** or **HDMI-2** using the **INPUT** button on the remote control or side of your HDTV.

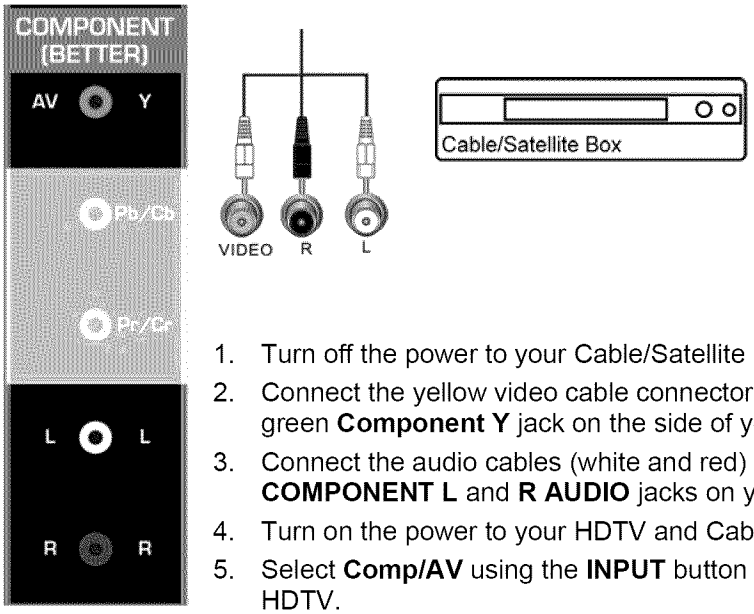
Note: There are no dedicated audio ports for HDMI so there may or may not be audio from your HDTV with this connection.

Using Component Video (Better) Using Component Video (Better)



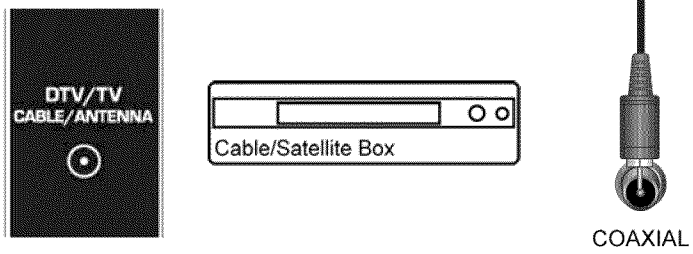
1. Turn off your HDTV and Cable/Satellite box.
2. Connect the Component cables (green, blue, and red) from your Cable/Satellite box to the **COMPONENT** jacks on your HDTV.
3. Connect the audio cables (white and red) from your Cable/Satellite box to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and Cable/Satellite box.
5. Select **Comp/AV** using the **INPUT** button on the remote control or side of your HDTV.

Using Composite (AV) Video (Good)



1. Turn off the power to your Cable/Satellite box.
2. Connect the yellow video cable connector from your Cable/Satellite box to the green **Component Y** jack on the side of your HDTV.
3. Connect the audio cables (white and red) from your Cable/Satellite box to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and Cable/Satellite box.
5. Select **Comp/AV** using the **INPUT** button on the remote control or side of your HDTV.

Using Coaxial (Antenna) (Good)

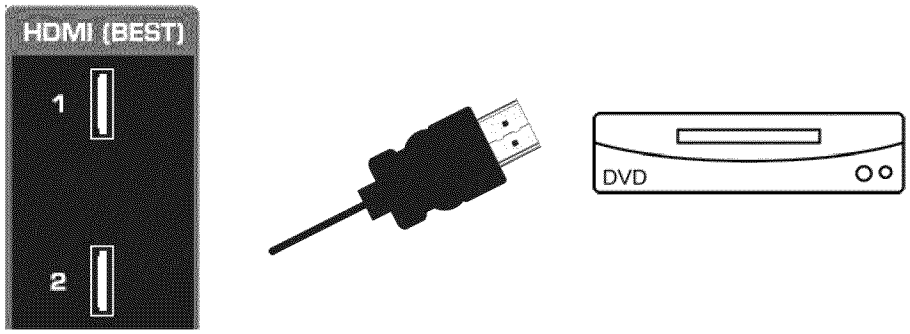


1. Turn off the power to your HDTV.
2. Connect the coaxial (RF) connector from your antenna or digital cable to the **DTV/TV CABLE/ANTENNA** connector on your HDTV.
3. Turn on the power to your HDTV.
4. Select **TV** using the **INPUT** button on the remote control or side of your HDTV.
5. Search for new channels. See *Auto Channel Search* on page 35 for more information on scanning for channels.

Connecting Your DVD Player

Using HDMI (Best)

DVD players that have a HDMI digital interface should be connected using HDMI for optimal results. To maintain image quality, use a VIZIO certified HDMI cable. This cable is available in 6, 15, and 30 foot lengths. Visit www.VIZIO.com or call **877-MYVIZIO** (877-698-4946) for details.

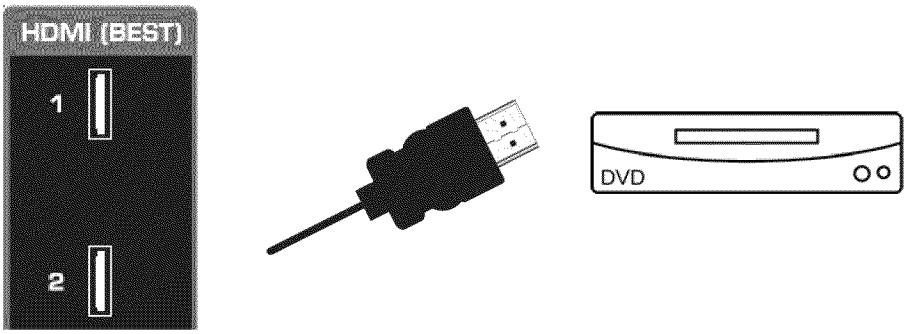


1. Turn off your HDTV and DVD player.
2. Connect a HDMI cable to the HDMI output of your DVD player and the other end to the **HDMI 1** or **2** jack on your HDTV.
3. Turn on the power to your HDTV and your DVD player.
4. Select **HDMI-1** or **HDMI-2** using the **INPUT** button on the remote control or side of your HDTV.

Note:

- The HDMI input on your HDTV supports High-bandwidth Digital Content Protection (HDCP). HDCP encrypts the transmission between the video source and the digital display for added security and protection.
- Refer to your DVD player user manual for more information about the video output requirements.

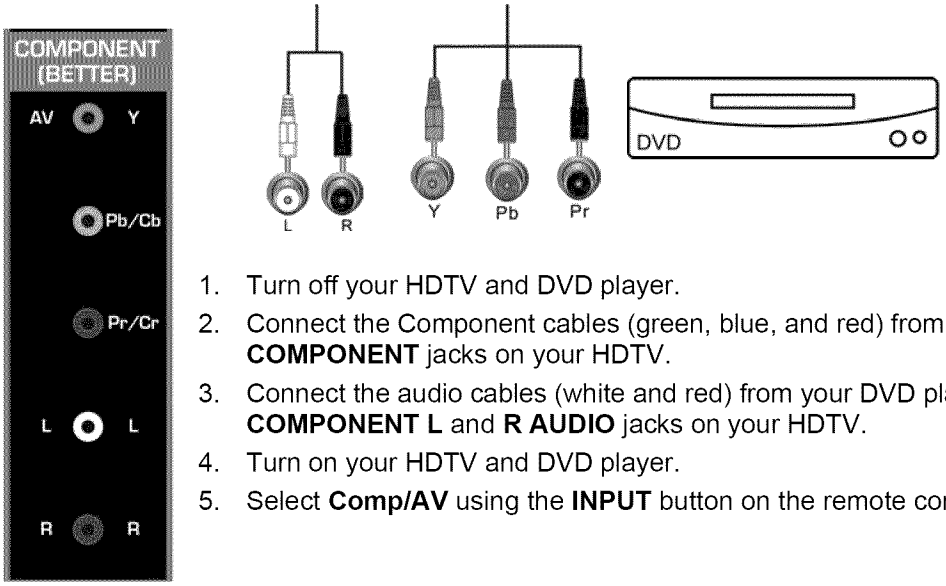
HDMI Connections for DVD Players with DVI



1. Turn off your HDTV and DVD player.
2. Using a HDMI-DVI cable, connect the DVI end to your DVD player and the HDMI end to the **HDMI 1** or **2** jack on your HDTV.
3. Turn on the power to your HDTV and your DVD player.
4. Select **HDMI-1** or **HDMI-2** using the **INPUT** button on the remote control or side of your HDTV.

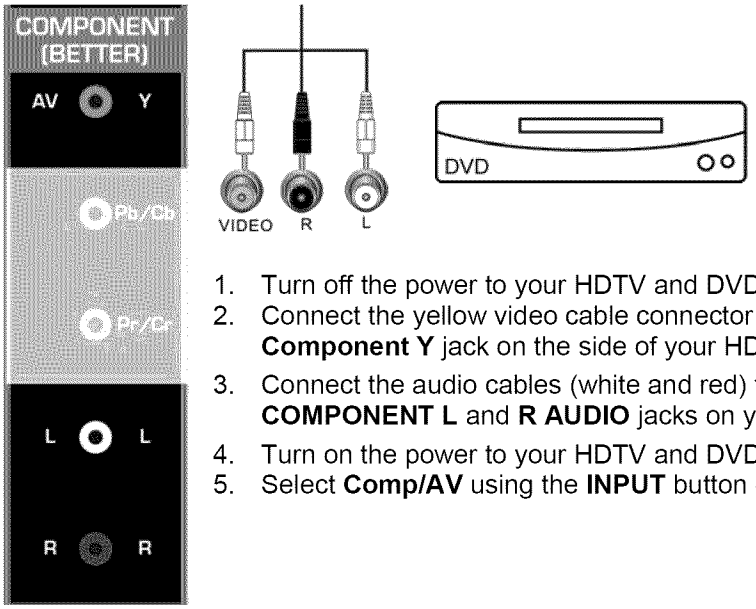
Note: There are no dedicated audio ports for HDMI so there may or may not be audio from your HDTV with this connection.

Using Component Video (Better)



1. Turn off your HDTV and DVD player.
2. Connect the Component cables (green, blue, and red) from your DVD player to the **COMPONENT** jacks on your HDTV.
3. Connect the audio cables (white and red) from your DVD player to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on your HDTV and DVD player.
5. Select **Comp/AV** using the **INPUT** button on the remote control or side of your HDTV.

Using Composite (AV) Video (Good)



1. Turn off the power to your HDTV and DVD player.
2. Connect the yellow video cable connector from your DVD player to the green **Component Y** jack on the side of your HDTV.
3. Connect the audio cables (white and red) from your DVD player to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and DVD player.
5. Select **Comp/AV** using the **INPUT** button on the remote or side of your HDTV.

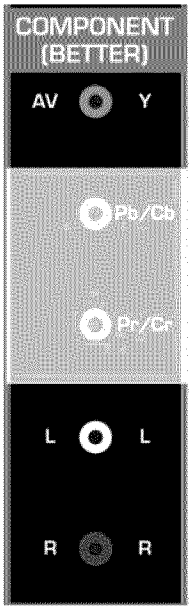
Connecting Coaxial (RF)

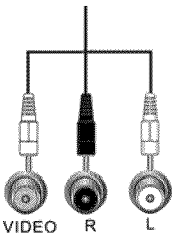
Using Your Antenna or Digital Cable for Standard or Digital TV

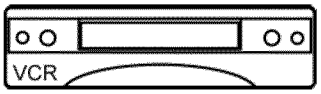
COAXIAL

1. Turn off the power to your HDTV.
2. Connect the coaxial (RF) connector from your antenna or cable to the **DTV/TV CABLE/ANTENNA** connector on your HDTV.
3. Turn on the power to your HDTV.
4. Select **TV** using the **INPUT** button on the remote control or side of your HDTV.
5. Search for new channels. See *Auto Channel Search* on page 35 for more information on scanning for channels.

Connecting Your VCR or Video Camera



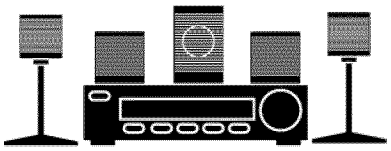




Note: Refer to your VCR or Video Camera user manual for more information about the video output requirements of the product.

1. Turn off the power to your HDTV and VCR or video camera.
2. Connect the yellow video cable connector from your VCR or video camera to the green **Component Y** jack on the side of your HDTV.
3. Connect the audio cables (white and red) from your VCR or video camera to the **COMPONENT L** and **R AUDIO** jacks on your HDTV.
4. Turn on the power to your HDTV and VCR or video camera.
5. Select **Comp/AV** using the **INPUT** button on the remote control or side of your HDTV.

Connecting a Home Theater System

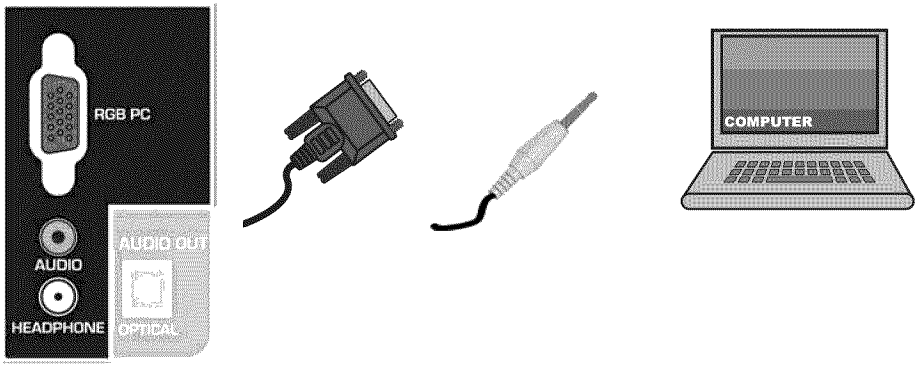


If your sound system has an S/PDIF (optical) digital audio input you can connect it from your sound system to the **OPTICAL** digital audio out on your HDTV. This is active when receiving audio with the programs being viewed no matter what input is being used.

1. Connect one end of the optical cable to optical connectors on the Home Theater and the other end to the **OPTICAL** jack on your HDTV.
2. Turn on the power to your HDTV and home theater.
3. Change the input on your Home Theater to optical. See your Home Theater user manual for more information.

Connecting a Computer

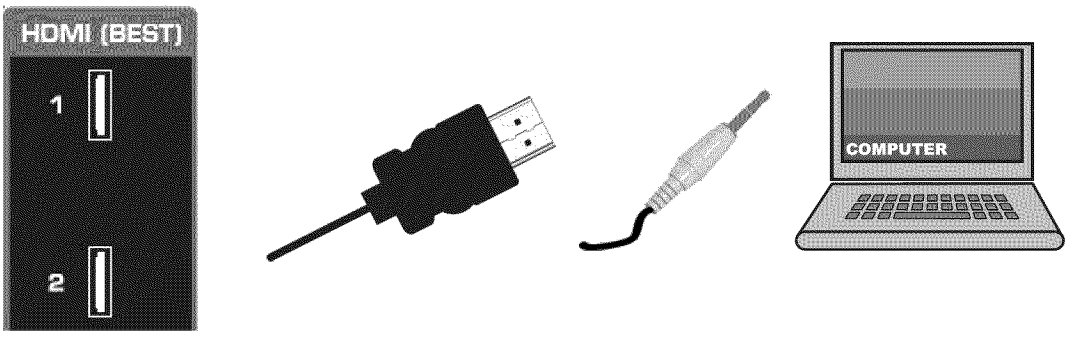
RGB (VGA)



1. Set computer to a resolution supported by your HDTV (see *Preset PC Resolutions* on page 46). If your computer supports it, we recommend 1366x768.
2. Turn off the power to your HDTV and computer.
3. Connect the RGB (VGA) cable from your computer to the **RGB PC** jack on of your HDTV.
4. Connect the 1/8-inch audio cable from your computer to the **RGB PC Audio** jack on your HDTV. This step is optional and only needed if you want to transmit audio from the computer through your HDTV.
5. Turn on the power to your HDTV and computer.
6. Select **RGB** (VGA) using the **INPUT** button on the remote control or side of your HDTV.

Note: Refer to your PC computer user manual for more information about the video output requirements.

Using HDMI



1. Turn off your HDTV and computer.
2. Connect a HDMI cable to the HDMI output of your computer and the other end to the **HDMI 1** or **HDMI 2** jack on your HDTV.
3. Turn on the power to your HDTV and your computer.
4. Select **HDMI-1** or **HDMI-2** using the **INPUT** button on the remote control or side of your HDTV.

Chapter 7 Viewing Pictures

Connect a USB flash drive to the USB port on your HDTV to view pictures.

- USB drives that are USB 2.0 and FAT or FAT32 are supported. The USB port does not support external hard drives or USB hubs.
- If your USB drive is oversized and does not physically fit in the USB port, use a USB extension cable. Connect one end of the cable to your USB drive and the other end to the USB port.
- Supported file extensions include .jpg and .jpeg.

Note: Even the supported format files listed above may or may not play properly or completely, depending on the USB device, bit rate stream, and other content characteristics, as well as other factors.

Viewing Pictures

1. Insert a USB device with digital content such as photos, music, and movies into the Multimedia port on the side of your HDTV. If a USB device is already connected, press **MENU** on the remote control and select *Media*. A message will appear asking if you want to play multimedia content.
2. Press ◄ or ► to highlight **OK**, and then press **OK** to select it. The *Picture* folder will be displayed.
3. Press **OK** to select it. A menu will be displayed showing the folders and files that are on your USB device.
4. Press ◄ or ► to highlight the folder or file you want to play, and then press **OK** to select it. The file will play. See *Adjusting Photo Settings* on page 28 below to adjust various settings including setting up a slideshow and setting picture duration.
5. When finished, press **EXIT** once to return to the previous screen or repeatedly to return to the main menu.

Adjusting Photo Settings

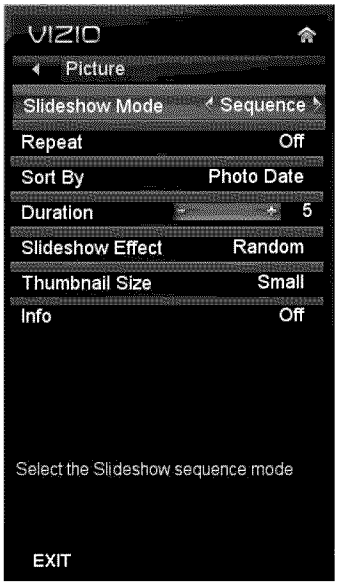
When viewing pictures you can adjust various settings, including slideshow, picture duration, etc.

1. Insert a USB device containing pictures and select the folder or files that you want to play.
2. Press **MENU**. The Picture menu will be displayed.
3. Press ▲ or ▼ on the remote control to highlight a Picture menu option, and then press ◄ or ► to adjust the setting.
4. Press **MENU** once to close the menu.

Slideshow Mode

Choose from **Shuffle, Single,** and **Sequence** to set the slideshow mode. Press **OK** to begin the slideshow. Press **EXIT** to stop the slideshow.

- **Single** will display one picture selected from the thumbnails for the interval set in the *Duration* option and return to the thumbnails. If the *Repeat* option is set to **On**, the selected picture will be displayed until you press **EXIT**.
- **Sequence** will show your pictures in the order they are listed on your USB device until you stop the slideshow.
- **Shuffle** will show your pictures in random order until you stop the slideshow.



Repeat

Choose from **On** or **Off** to repeat the slideshow.

Sort By

You can choose to sort the pictures on the USB device by **Photo Date**, **File Date**, or alphabetically (**File A-Z**).

Duration

Set the amount of time the picture will remain on the screen during the slideshow. Choose a time between 5 seconds and 32 seconds.

Slideshow Effect

Choose from **Random, Dissolve, Wipe Right, Wipe Left, Wipe Up, Wipe Down, Box In,** or **Box Out** to set the transition type when changing from one picture to another during a slideshow.

Thumbnail Size

Set the size of the preview pictures (thumbnails) in the menu. Choose from **Small, Medium,** or **Large.**

Info

When set to **On**, information about the picture briefly appears on your HDTV.

Chapter 8 Adjusting Your HDTV Settings

Using the On-screen Display (OSD)

The remote control or the control buttons on the side of the TV can control all the function settings. The *OSD* allows you to adjust contrast, brightness and other settings. The TV will save changes made to the settings, even if the TV is turned off.

The OSD consists of several menu options. The main menu options may vary depending on your selected input source.

Note: Some of the main menu options may have additional submenus, for example, the TV Rating submenu for Parental Controls.

1. Press **MENU**. The OSD opens.
2. Press ◄, ►, ▲, or ▼ on the remote control to select one of the menu options:
    - Input
    - Wide
    - CC
    - Sleep Timer
    - Picture
    - Audio
    - Settings
    - Media
    - Help
3. Press OK to select the option or feature you want to adjust.
4. After the menu option is displayed, press ▲ or ▼ on the remote control to select one of the items to adjust.
5. Press **OK** to select it, and then press ◄, ►, ▲, or ▼ to adjust the selection.
6. Press **BACK** once to return to the previous screen. To return to your program once adjustments have been completed, you can do one of the following:
    a. Press the **EXIT** button on the remote control.
    b. Press the **RED** button on the remote control.
    c. Highlight and select the **RED X** in any menu.

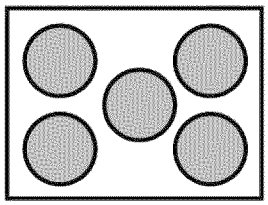
Input Menu

Select the Input Source for your HDTV. Choose from **TV**, **Comp/AV**, **HDMI-1**, **HDMI-2**, **RGB**, and **Media**.

Wide Menu

Select how the picture displays on the screen. As you select an option, you will see the screen adjusting to the different sizes. The options vary depending on the selected input and the TV program:

Normal

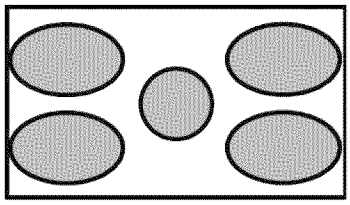


The original 4:3 aspect ratio (1.33:1 source) is preserved, so black bars are added to the left and right of the display image. Standard TV broadcasts are displayed with a 4:3 Aspect Ratio. Movies in 4:3 Aspect Ratio may be referred to as pan-and-scan or full frame. These movies were originally filmed in 16:9 (widescreen), and then modified to fit a traditional TV screen (4:3).

Wide

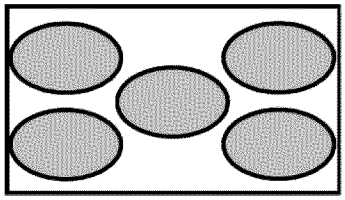
Wide mode allows you to view the entire picture. Recommended for HDMI and RGB / Computer viewing so you can see the complete picture without the image overstretching beyond the viewing area. If you experience "noise" along the border switch to Zoom 1. For 720p, 1080i, only.

Panoramic



When watching a standard broadcast or full frame movie in this mode, the 4:3 Aspect Ratio (1.33:1 source) display image is stretched horizontally on the left and right sides to fill the TV screen. The center of the image is not stretched.

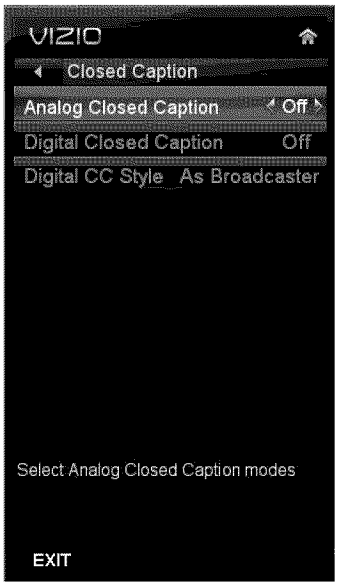
Stretch



When watching a widescreen program (1.78:1 source) with black bars on the sides, the display image will stretch to fill the TV screen. People will appear wider than they really are. If you are watching a widescreen (1.85:1 or 2.35:1 source) program or movie, there will still be black bars at the top and bottom. This mode is available only when watching a widescreen program.

CC (Closed Caption) Menu

Adjust closed caption options.



Analog Closed Caption

The CC feature is available when watching regular analog TV. Select from **Off, CC1, CC2, CC3,** and **CC4**. Closed Caption for regular TV is usually **CC1** or **CC2**.

Digital Closed Caption

The CC feature is available when watching digital TV. Select from **CC1, CC2, CC3, CC4, or CS1, CS2, CS3, CS4, CS5, CS6,** or **Off.**

Digital CC Style

The Digital CC Style feature is available when watching digital TV.

- **Caption Style:** Select either **As Broadcaster** or **Custom**. If Custom is selected you can customize the way Closed Caption is displayed. The options available are:
- **Text Size:** Make CC text larger or smaller.
- **Color:** Choose a text color for CC display
- **Opacity:** Make text more or less transparent.
- **BG Color:** Choose a background color for CC text.
- **BG Opacity:** Make the background for CC text more or less transparent.
- **Window Color:** Choose a text frame color for CC text.
- **Window Opacity:** Make the text frame for CC text more or less transparent.

Sleep Timer Menu

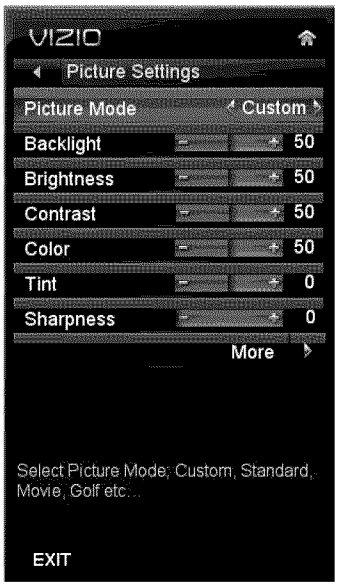
Select the timer to turn off the TV in **30, 60, 90, 120** or **180** minutes.

Picture Menu

Adjust picture options including brightness, contrast, and advanced picture settings.

Picture Mode

Choose from **Standard, Movie, Game, Vivid,** or **Custom**. Each input (i.e. HDMI, COMP, etc) remembers the custom setting you created. Select **Custom** to manually adjust *Backlight, Brightness, Contrast, Color, Tint, Sharpness*, and to access the *More* menu where further adjustments can be made.



Backlight

Adjust the LED brightness to affect the overall brilliance of the picture not the Brightness (black level) or Contrast (white level) of the picture.

Note: Backlight is only available when *Picture Mode* is set to **Custom**.

Brightness

Adjust black levels in the picture. If the brightness is too low you will not be able to see the detail in darker parts of the picture and if the brightness is too high the picture will look washed out.

Note: Brightness is only available when *Picture Mode* is set to **Custom**.

Contrast

Adjust the white levels in the picture. If the contrast is too low the picture will look washed out and if the contrast is too high you will not be able to see any detail in the bright parts of a picture.

Note: Contrast is only available when *Picture Mode* is set to **Custom**.

Color

Adjust the amount of color in the picture.

Note: Color is only available when *Picture Mode* is set to **Custom**.

Tint

Adjust the hue of the picture. The easiest way to set tint is to look at flesh tones and adjust for a realistic appearance. In most cases, the default middle position is correct. If people's faces look too orange try reducing the level of color first.

Note: Tint is only available when *Picture Mode* is set to **Custom**.

Sharpness

Adjust the sharpness of the edges of elements in the picture. It does not produce detail that otherwise does not exist. This adjustment is helpful when viewing Standard Definition sources.

Note: Sharpness is only available when *Picture Mode* is set to **Custom**.

More

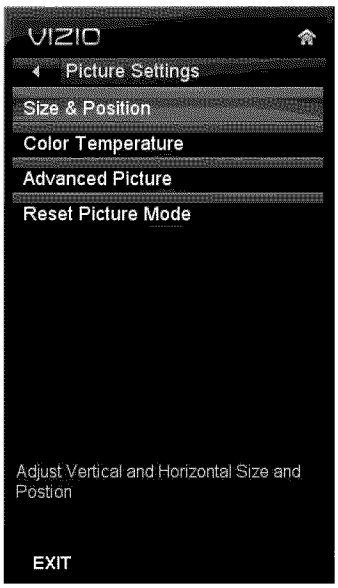
Select **More** to adjust advanced options for fine tuning the picture.

Note: The *More* menu is only available when *Picture Mode* is set to **Custom**.

Size & Position

To select the options in the Size & Position sub-menu, press the **MENU** button or the ► button. A new menu will be displayed showing the following Size & Position settings:

- **Horiz. Position**
  Adjust the horizontal position of the picture.
- **Vertical Position**
  Adjust the vertical position of the picture.
- **Horizontal Size**
  Adjust the horizontal size of the picture.
- **Vertical Size**
  Adjust the vertical size of the picture.
- **Auto Phase (for Component input only)**
  The TV will automatically look for the phase of the signal to fine tune the picture.



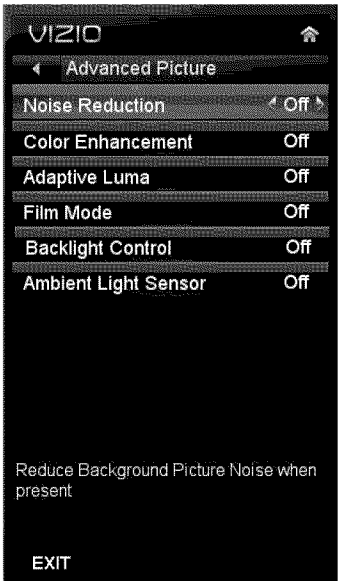
Note: The Size & Position function is only available in HDMI, Component, or RGB modes.

Color Temperature

Color Temperature is the "warmness" or "coolness" of the white areas of the picture. Choose from **Custom**, **Cool**, **Normal**, or **PC**. **Normal** is the setting for television broadcasting. **Custom** allows you to set a preset calibrated for a white point to suit individual preferences. **Cool** produces a blue-hued image. **PC** sets the white point at the established setting for a computer display (9300K). Each preset may also be adjusted for a customized setting.

Advanced Picture

To select the options in the *Advanced Picture* sub-menu, press ►. A new menu will be displayed showing the advanced functions available for fine tuning of the picture.



- **Noise Reduction**

  This feature diminishes picture artifacts caused by the digitizing of image motion content that may be present in the picture. Choose from **Off**, **Low**, **Medium**, or **High**.

- **Color Enhancement**

  This feature increases the picture reproduction performance of the picture by reducing oversaturation of certain colors and improving flesh tones. Choose from **Off**, **Normal**, **Rich Color**, **Green/Flesh**, and **Green/Blue**.

- **Adaptive Luma**

  Large areas of brightness in the picture will result in a higher Average Picture Level (APL) and the overall picture will look too light. This feature will lower the APL to counteract this effect. Choose from **Off**, **Low**, **Medium**, **Strong**, or **Extend**.

- **Film Mode**

  Choose from **Off** or **Auto**. When set to **Off** it will stay at 60 fps. When set to **Auto**, the TV will detect the cadence (for example at 24 frames/second for film, or normal video at 60 fps).

- **Backlight Control**

  Set this feature to **OFF**, **DCR**, or **OPC**. **DCR** (Dynamic Contrast Ratio) improves the black level performance and increases contrast ratio. **OPC** (Optimum Power Control) Reduces power consumption while maintaining the same picture brightness.

- **Ambient Light Sensor**

  Choose **On** or **Off**. When set to **On**, your HDTV will automatically adjust to light changes in the room.

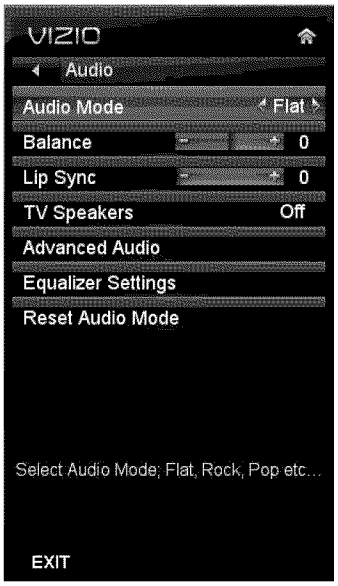
Reset Picture Mode

Return all Picture settings to factory default. A screen will come up to confirm your selection or to cancel it. Press ◄ or ► to make the selection, and then press **OK** to accept it.

Note: Only settings under the Picture will be reset.

Audio Menu

Adjust audio options including balance, equalizer, and advanced audio settings.



Audio Mode

Choose from **Flat**, **Rock**, **Pop**, **Classic** or **Jazz**.

Balance

Adjust the sound to the left or the right.

Lip Sync

Lip Sync is designed to adjust the audio of the program being viewed so that it matches the movement of the lips of someone talking on the screen.

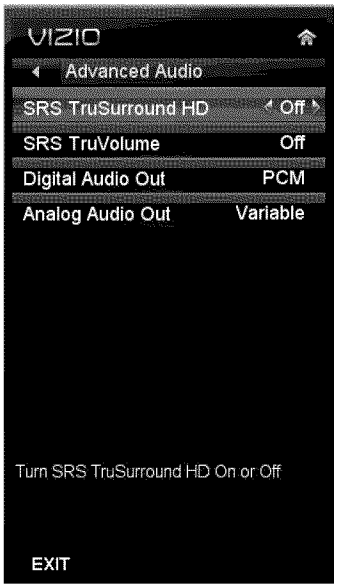
TV Speakers

Turn the internal speakers **On** or **Off**. You may want to turn the internal speakers off when listening to the audio through your Home Theater System.

Advanced Audio

To select the options in the *Advanced Audio* sub-menu, press ►. A new menu will be displayed showing the advanced functions available for fine tuning of the audio.

SRS TruSurround HD



This option sets the SRS True Surround HD surround sound process. Choose from **On** or **Off**.

Note: When SRS TruSurround HD is **On**, Equalizer adjustments are not available.

SRS TruVolume

When the programming switches to a commercial or when changing from channel to channel, volume fluctuations occur. When set to **On**, SRS TruVolume™ provides the listener with a comfortable and consistent volume level. Turn this option **Off** when listening to music.

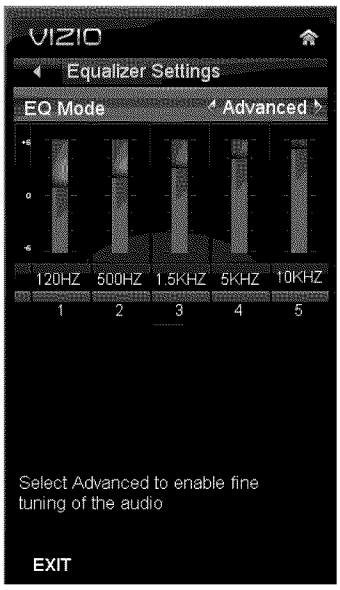
Digital Audio Out

This option allows selection of the type of processing for the S/PDIF (Optical connector) when used with a Receiver/Amplifier/Home Theater system. Select to choose from **OFF**, **Dolby Digital** or **PCM**.

Analog Audio Out

This option sets the volume control properties when using the RCA (white and red) connectors as audio line out to connect a Receiver/Amplifier/Home Theater system. Choose from **Fixed** or **Variable**. When set to **Variable**, volume from the external speakers will change according to the volume setting on the TV. If it is set to **Fixed**, the volume can only be changed by the settings on the external stereo system.

Equalizer Settings



To select the options in the *Equalizer* sub-menu, press **OK**. A new menu will be displayed showing the volumes of different frequencies.

Starting from lowest to the highest, they are **120Hz**, **500Hz**, **1.5KHz**, **5KHz** and **10KHz**.

1. Press ◄ or ► to select the frequency to be adjusted.
2. Use ▲ or ▼ to adjust the selected frequency to your preference. Values above 0 will boost the frequency and values below 0 will attenuate the frequency.

Note: The Equalizer adjustment will only be available when *SRS TSHD* is set to **Off**.

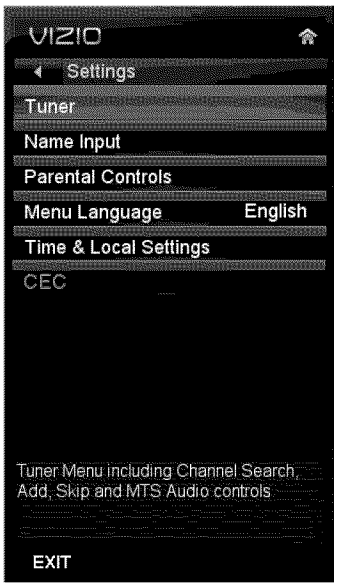
Reset Audio Mode

Return all Audio settings to factory default. A screen will come up to confirm your selection or to cancel it. Press ◄ or ► to make the selection, and then press **OK** to accept it.

Note: Only settings under the *Audio* menu will be reset.

Settings Menu

Adjust TV options including the tuner, parental controls, menu language, and date and time.



Tuner

Note: The tuner option can only be selected when your HDTV is in TV input mode.

Tuner Mode

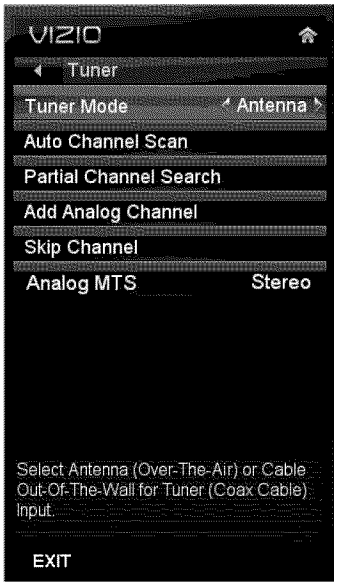
Select **Cable** or **Antenna** depending upon which you have attached to the DTV / TV Input.

Auto Channel Search

Automatically search for TV channels that are available in your area. Be sure to first select the correct tuner mode above. The TV will search for analog and digital channels. When the search is done, press **OK** to begin watching your programs.

Partial Channel Search

If you believe channels are missed from the auto search, you can do a partial channel search to look for channel in a certain channel range again. Select to scan for **Analog**, **Digital**, or both **Analog/Digital** channels, then press the ▼ button to highlight the *From* and *To* selection. Press the ► button to select the range of channel numbers you want to start searching in. Press **OK** to start channel search.



Skip Channel

After the TV has stored all of the available digital channels in memory you will find that some channels are too weak to watch comfortably or they may be channels you do not want to see. Press **OK** to select the channel to be skipped when using the CH▲ or CH▼ button. An X will appear in channels you have selected to skip. You will still be able to select this channel using the number buttons on the remote control.

MTS

This feature allows you to select the different languages the broadcaster is transmitting the audio with the program you are watching. This signal is usually Spanish. Choose from **Mono, Stereo,** or **SAP**.

Name Input

This feature makes it easier for you to recognize the devices you have connected to your HDTV when you press **INPUT**. For example, if you have a Blu-Ray DVD player connected to the HDMI-1 input, you can have the input label read *HDMI-1 BluRay* instead of just *HDMI-1*. You can select from 10 preset labels.

To use one of the 10 preset labels:

1. Select *Input Source,* and then press **OK** to show the list of inputs.
2. Press ▼ to select the input label you want to change, and then press **OK.**
3. Press ▼ to select *Input Labels*, and then press **OK** to show the list of 10 preset labels.
4. Press ▼ to select the new input label name, and then press **OK.**

Parental Controls

If you want to restrict certain channel and program viewing, you can do this by turning on the Parental Control. Selected programs, movies and channels can then be made available only after an authorized password has been entered and accepted by the TV.

To select the options in the Parental Controls sub-menu, press **OK** and then create and/or enter a password. A new menu will be displayed showing the following Parental settings:

Note: The Parental Control menu does not appear when the input mode is set to HDMI or RGB.

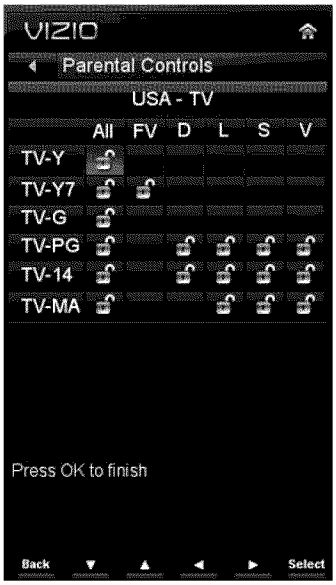
Rating Enable

Select from **ON** or **OFF**. If set to **OFF**, you will not be able to set the US TV, US Movie, Canadian English, or Canadian French Ratings.

Channel Locks

Block individual channels from being displayed.

USA-TV



Note: When Rating Enable is **OFF**, the USA-TV Rating adjustments are not available.

Press **OK** to block (locked) or allow (unlocked) channels by the following US TV ratings:

TV-Y – All children

TV-Y7 – Older children

TV-G – General audience

TV-PG – Guidance suggested

TV-14 – Strongly cautioned

TV-MA – Mature audience

You can also customize the TV ratings for the following content:

A – All sub-ratings

FV – Fantasy violence

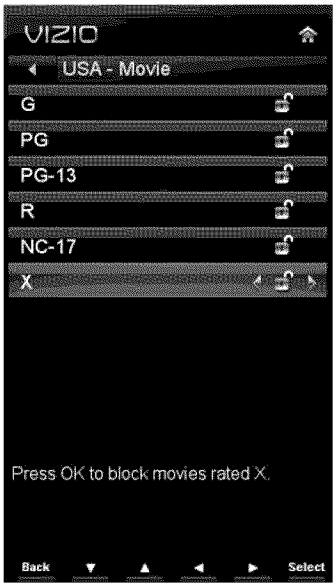
D – Sexual dialog

L – Adult language

S – Sexual situations

V - Violence

USA-Movie



Note: When Rating Enable is **OFF**, USA-Movie Rating adjustments are not available.

Press the **OK** button to block (locked) or allow (unlocked) channels by the following US Movie ratings:

G – General audience

PG – Parental guidance suggested

PG-13 – Recommended for children 13 years of age or older

R – Mature audience

NC-17 – No one under 17 years of age

X – No one under 17 years of age

CAN-English

Note: When Rating Enable is **OFF**, Canadian English Rating adjustments are not available.

Press the **OK** button to block (locked) or allow (unlocked) channels by the following Canadian English ratings:

C – Children

C8+ – Children 8 years or older

G – General Programming, suitable for all audiences

PG – Parental guidance

14+ – Viewers 14 years or older

18+ – Adult programming

CAN-French

Note: When Rating Enable is **OFF**, Canadian French Rating adjustments are not available.

Press the **OK** button to block (locked) or allow (unlocked) channels by the following Canadian French ratings:

G – General audience

8 ans+ – General – not recommended for young children

13 ans+ – Not suitable for children under 13 years of age

16 ans+ – Not suitable for under 16 years of age

18 ans+ – Adults only

Alt Rating Region

This is reserved for future use in the event the parental control system is ever updated. Your HDTV will be able to receive and update the new rating system to it.

Block Unrated TV

Block programming that does not have a rating.

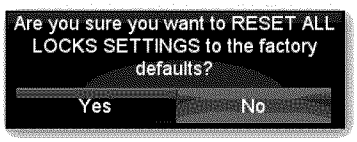
Change PIN (Password)

Enter a new, 4-digit password using the number buttons on the remote control. Enter it a second time to confirm you entered it correctly.

Note: Make sure you write down and store the new password in a secure place. The *Reset Locks* feature does NOT reset the password.

RESET LOCKS

Return all Parental Control lock settings to factory default. A screen will come up to confirm your selection or to cancel it. Press ◄ or ► to make the selection, and then press **OK** to accept it.



Menu Language

Select to change the language of the menu. The default is **English**. You can also select **French** or **Spanish**.

Time & Local Settings

Time Zone

Setting the correct Time Zone for your area will ensure that the correct time is shown after pressing the **GUIDE** button on the remote control.

Daylight Saving

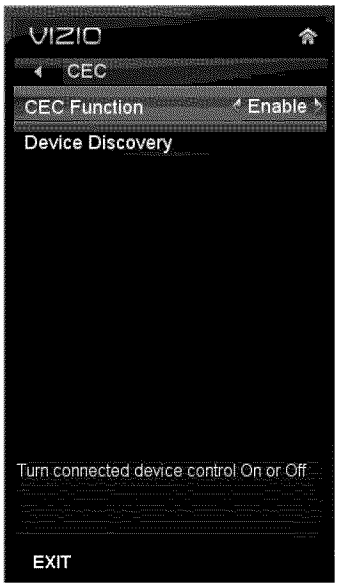
Setting the daylight saving time for your area will ensure that the correct time is shown after pressing the **GUIDE** button on the remote control.

CEC

Consumer Electronics Control allows you to control other devices using your HDTV remote control when those devices are connected via HDMI. For example, if a CEC-supported Blu-ray DVD player is connected to your HDTV through HDMI-2 and that player is powered on, your HDTV will automatically change to the HDMI-2 input. Similarly, if your HDTV is powered on first and your change the input to HDMI-2, your Blu-ray player will automatically power on.

Also, you can control your CEC-supported device using the transport keys on your HDTV remote control (e.g. Play, Stop, Prev, etc.). When you press one of the buttons on your HDTV, the action will occur on your device.

Contact your devices' user manual or manufacturer to check whether your device supports CEC.



CEC Function

Turn CEC **On** or **Off**. When set to **Off**, your HDTV will not send or receive any CEC commands.

Device Discovery

Register device with TV. Before CEC will work, perform a **Device Discovery** to see if there are any CEC supported devices connected to your HDTV.

Media Menu

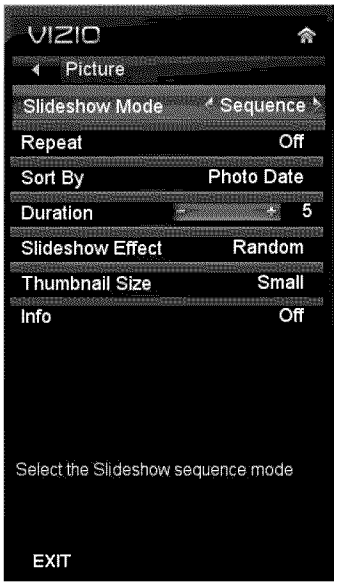
When viewing pictures you can adjust various settings, including slideshow, picture duration, etc.

1. Insert a USB device containing pictures and select the folder or files that you want to play.
2. Press **MENU**. The *Picture* menu will be displayed.
3. Press ▲ or ▼ on the remote control to highlight a *Picture* menu option, and then press ◄ or ► to adjust the setting.
4. Press **MENU** once to close the menu.

Slideshow Mode

Choose from **Shuffle, Single,** and **Sequence** to set the slideshow mode. Press **OK** to begin the slideshow. Press **EXIT** to stop the slideshow.

- **Single** will display one picture selected from the thumbnails for the interval set in the *Duration* option and return to the thumbnails. If the *Repeat* option is set to **On**, the selected picture will be displayed until you press **EXIT**.
- **Sequence** will show your pictures in the order they are listed on your USB device until you stop the slideshow.
- **Shuffle** will show your pictures in random order until you stop the slideshow.



Repeat

Choose from **On** or **Off** to repeat the slideshow.

Sort By

Sort the pictures on the USB device by **Photo Date**, **File Date**, or alphabetically (**File A-Z**).

Duration

Set the amount of time the picture will remain on the screen during the slideshow. Choose a time between 5 seconds and 32 seconds.

Slideshow Effect

Choose from **Random, Dissolve, Wipe Right, Wipe Left, Wipe Up, Wipe Down, Box In,** or **Box Out** to set the transition type when changing from one picture to another during a slideshow.

Thumbnail Size

Set the size of the preview pictures (thumbnails) in the menu. Choose from **Small, Medium,** or **Large.**

Info

When set to **On**, information about the picture briefly appears on your HDTV.

Chapter 9 Maintenance and Troubleshooting

Cleaning the TV and Remote Control

1. Remove the power adapter cable from your HDTV.
2. Use a soft cloth moistened with diluted neutral cleaner to clean the TV and remote control. VIZIO recommends using an HDTV cleaning solution which can be purchased at any major retailer.
3. Wring liquid out of the cloth before cleaning to prevent water from penetrating into the housing.
4. Wipe the TV and remote control with a dry cloth after cleaning.

Important:

- Do not use volatile solvents (such as toluene, rosin and alcohol). Such chemicals may damage the housing, screen glass, and remote control, and cause labeling to peel.
- The screen glass is very fragile. Do not scrape it with any sharp object.
- Do not press or tap the screen to avoid cracking.

Troubleshooting Guide

If your HDTV fails or the performance changes dramatically, check the display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure. If the display still fails to perform as expected, contact the VIZIO for assistance by calling **877-MYVIZIO** (877-698-4946) or e-mail us at techsupport@VIZIO.com.

TV/Display Troubleshooting

Issue	Solution
"No Signal" is shown on display	• Press **INPUT** to select the correct input source for the device you are attempting to use. • Insure that the desired device is powered ON. • Check the connections of external devices that may be connected to your HDTV • Check video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.)
"No RGB Signal. Power will be turned off" is shown on display	• When using the RGB Input to connect to a computer, please insure that a supported PC desktop resolution is first selected. • If no computer is connected, press **INPUT** to select a different input source. • Note: If no computer is connected, and the input is not changed, the television will power off.
No power (VIZIO logo is off)	• Make sure your AC power cable is securely connected to the back of the television and wall outlet. • Plug another electrical device into the outlet to insure the outlet is working correctly. • Try another electrical outlet elsewhere in your home. Preferably on a different circuit. • Try another AC power cable. Any standard 3 prong, grounded, UL approved computer power cable can provide power to your television.
Power is ON but there is no image on the screen / Black screen	• Make sure the power is ON (VIZIO Logo glows white). • Make sure all cables attached to your HDTV are connected to the correct output of your external device. • Insure that the external device is powered ON • Adjust brightness, contrast or backlight. • Press **INPUT** to select the correct input source. Note: Your HDTV will display the television station or program selected by the cable box, VCR, external tuner, or satellite receiver. Use the remote control that came with that device to change programs or channels. • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.
Wrong or abnormal colors/patterns	• Check color and tint settings in the *Picture Menu*. • Reset Picture settings to default in the *Picture Menu*. • Check the video settings and compatibility of external devices • Check the video cables of external devices to make sure they are securely connected at both ends. • Try another device on the same input. • If you are using an antenna, the signal strength of the channel may be low.

Issue	Solution
	Make sure your antenna is connected securely to your HDTV and move the antenna to an alternate location in the room or close to a window. • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.
Side Control buttons do not work	• Press only one button at a time. • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.
Poor image quality	• Standard Definition images will always be noticeably inferior to HD Quality content. Press **INFO** to see what the current resolution of the image is. 720p, and 1080i are all HD quality resolutions. • Check the video settings of your external device. • If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the antenna to an alternate location in the room or close to a window. • Reset Picture settings to default in the *Picture Menu*. • Check video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.) • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.
Distorted image or unusual sound	• Check video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.) • Try the external device on another input. • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television. • Interference from electrical appliances, cars, motorcycles, or fluorescent lights may affect television performance. If possible, move your HDTV to an alternate location within your home.
Display image does not cover the entire screen/ Black bars on the top or side of the image	• Go to the **Wide** menu in *HDTV Settings* to view the available aspect modes • Check the video settings of your external device. • If using the RGB input (Computer), a supported PC desktop resolution must be used. • If using the RGB input (Computer), Go to the Picture menu and select Auto Adjust to fit the PC desktop to your HDTV. • Note: Depending on the resolution of the content being viewed, some modes may not be available.
The TV has pixels (dots) that are always dark or colored	• Check video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.) • Check other Inputs and external devices. • Remove all external devices to see if issue remains. • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.
Image "noise/fuzz"	• When your HDTV's capabilities exceed a digital broadcast signal, the signal is up-converted (increased) to match your TV's display capabilities. Up-converting can cause image "noise" or "fuzz". • If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the

Issue	Solution
	antenna around the room or close to a window. • Check the video settings of your external device. • Check video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.) • Try the device on another input. • Perform a power cycle by removing the AC power cable from the back of your television for 30 seconds. Reinsert the power cable and power on the television.
Aspect mode differs on each input	• Your HDTV retains the viewing mode from the last time you used a particular input (Comp/AV, HDMI and TV).
Tips for High-Definition Users	• Your HDTV is an ideal platform for viewing High Definition Content. • Best image quality will be achieved by using an HDMI cable and input. The next best is Composite. Note: Composite cannot carry an HD quality image signal. • Due to variances in broadcast practices, it is possible some image distortions can occur.
Tips for Letterbox Content	• Some Letterboxed (or "Widescreen") versions of DVD movies are formatted for standard 4:3 Televisions. Your HDTV has the ability to expand this content so the entire screen is filled at the expense of image accuracy. To use this function, select **Wide** from the *HDTV Settings App*.

Audio Troubleshooting

Issue	Solution
No audio	• Press **Volume +** (Up) on the remote control or side of your HDTV. • Press **MUTE** on the remote control to make sure that MUTE is not ON. • Check the **MTS Audio** settings in the *Tuner* menu to insure they are set to **Stereo/English**. (TV input only) • Verify that your HDTV Speakers are **On** in the *Audio* menu. • Check the video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.) • Change audio settings of the external device. • If you are using an antenna, the signal strength of the channel may be low. Make sure your antenna is connected securely to your HDTV and move the antenna to an alternate location in the room or close to a window.
Audio volume differs on each input	• Your HDTV will retain the last used volume level for each input.
Low audio volume (TV internal speakers)	• Press the Volume up on the remote control. • Increase the volume of the external device using that device's remote.
Distorted/popping audio	• Check video/device cable integrity. Try another cable (HDMI, AV/Composite, Coax etc.) • Insure audio cables are tightly inserted into inputs. • Try another device. • Use another device input.

Remote Control Troubleshooting

Issue	Solution
The remote control will not work	• Point the remote control directly at the remote sensor on your TV. • Remove any obstacles between the remote control and the remote sensor. • Replace dead batteries with new ones.
The remote control will not adjust TV Volume.	• Check the **Advanced Audio** menu located in the *HDTV Settings App*. Audio control must be set to **TV**.
Channel Up and Down buttons will not work.	• In the *HDTV Settings App*, select **Tuner**, then **Auto Channel Scan**. This must be performed before attempting to change channels.

Telephone & Technical Support

Products are often returned due to a technical problem rather than a defective product that may result in unnecessary shipping charges billed to you. Our trained support personnel can often resolve the problem over the phone. For more information on warranty service or repair, after the warranty period, contact our Support Department at the number below.

Customer support and quality service are integral parts of VIZIO's commitment to service excellence.

For technical assistance contact our VIZIO Technical Support Department via email or phone.

Email: techsupport@VIZIO.com

(877) 698-4946 Fax: (949) 585-9563

Hours of operation: Monday - Friday: 6 am to 9 pm

Saturday – Sunday: 8 am to 4 pm

Have your VIZIO model number, serial number, and date of purchase available before you call.

VIZIO

Address:

39 Tesla

Irvine, CA 92618, USA

Telephone: (888) 849-4623 (949) 428-2525 Fax: (949) 585-9514

Web: www.VIZIO.com

Chapter 10 Specifications

Product specifications may change without notice or obligation.

E320VP Specifications		
Panel	32" Diagonal (31.5" diagonal viewing), 16:9 Aspect Ratio	
Resolution	1366 x 768	
Pixel (Dot) Pitch	0.51 mm (H) x 0.51 mm (H)	
Display Compatibility	720P (HDTV)	
Colors	16.7million	
Brightness cd/m2 (typical)	400 nits	
Contrast	Dynamic Contrast Ration: 100,000:1	
Response Time	9 ms (typical)	
Viewing Angle	178° (horizontal/vertical)	
Inputs	2 x HDMI with HDCP 1 x RF (F connector for internal tuner) 1x Component and Stereo Audio 1x Composite and Stereo Audio (shared with Component jacks) 1x Computer RGB plus Stereo Audio 1x USB	
Outputs	1x 5.1 S/PDIF Optical Digital Audio, 1x Headphone	
Features	60 Hz E-LED panel, 1080i HDTV, HDMI v1.3, 3D Comb Filter, Digital Audio Amplifier, Dolby Digital for ATSC/QAM, Signal Compatibility: 480I(SDTV), 480P(EDTV), 720P(HDTV), 1080i(HDTV),Channel Skip/Add, VIDEO/INPUT Naming Capability, Closed Caption, Parental Control/V-CHIP 2.0, Programmable Timer, SRS TSHD,SRS TruVolume ,HD Game Port, Noise Reduction, MTS Stereo Decoder, VESA Mount Compatible, Multimedia(JPEG only)	
Special Features	Ambient Light Sensor Detachable Base	Multimedia (JPEG only) HDMI CEC
Speakers	2xBuilt-in, 10W Speakers	
Panel Life	30,000 hours to half the original brightness	
Power		
Input	IEC Connector for direct power line connection	
Voltage Range	100~240 Vac at 50/60 Hz	
Power Consumption	51.5W (Avg), <1W standby	
Environmental Conditions		
Operating	Temperature: 5°C~35°C, Relative Humidity: 20~80%, Altitude: 0~14,000 ft	
Non-Operating	Temperature: -20°C~50°C, Relative Humidity: 10~70%, Altitude: 0~40,000 ft	
Dimensions	30.34" W x 21.61" H x 7.35" D with stand; 30.34" W x 19.60" H x 1.34" D without stand 770.5 x 548.8 x 186.7 mm with stand; 770.5 x 497.9 x 30.34 mm without stand	
Net Weight	14.33 lbs with stand; 13.23 lbs without stand 6.5 kg with stand; 6 kg without stand	

E320VP Specifications	
Gross Weight	18.74 lbs; 8.5 kg
Certifications	CSA, CSA-US, FCC Class B
Compliances	Energy Star 4.1. ATSC Spec A/65, EIA/CEA-766-A

Compliance

Caution: Always use a power cable that is properly grounded. Use the AC cords listed below for each area.

USA: UL **Canada**: CSA
Germany: VDE **UK**: BASE/BS
Japan: Electric Appliance Control Act

FCC Class B Radio Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Notice:

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC AC/DC power adapter, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

Preset PC Resolutions

If connecting to a PC through the RGB PC input, set the TV timing mode to VESA 1366 x 768 at 60Hz for best picture quality (refer to the graphic card's user guide for questions on how to set this timing mode). See the table below for the factory preset resolutions.

Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Horizontal Sync Polarity (TTL)	Vertical Sync Polarity (TTL)	Pixel Rate (MHz)	Remark
1	640 x 480	60	31.469	59.941	N	N	25.175	Windows
2	640 x 480	75	37.500	75.000	N	N	31.500	Windows
3	800 x 600	60	37.879	60.317	P	P	40.000	Windows
4	800 x 600	72	48.077	72.188	P	P	50.000	Windows
5	800 x 600	75	46.875	75.000	P	P	49.500	Windows
6	1024 x 768	60	48.363	60.004	N	N	65.000	Windows
7	1024 x 768	70	56.476	70.069	N	N	75.000	Windows
8	1024 x 768	75	60.023	75.029	P	P	78.750	Windows
9	720 x 400	70	31.469	70.087	N	P	28.322	DOS
10	◎1366 x 768	60	47.550	59.810	P	N	85.500	Windows

Note: P: positive, N: negative, ◎: Primary mode

Resolution through RGB Input

If your PC supports VESA Reduce Blanking timing via the VGA card drive program (usually offered by the VGA Card Manufacturer), your TV set is equipped to have the 1366 x 768 resolution display through this connection using the following timing 136.5MHz. The following parameters are often the values required by the software or programs to set up the display:

Parameters	Horizontal Values (Pixels)	Vertical Values (Lines)
Address	1366	768
Front Porch	12	2
Sync Width	130	6
Back Porch	174	19
Total	1798	795
Frequency	47.55 kHz	59.81 kHz
Sync Polarity	P	N
Pixel Rate (MHz)	85.5	
Refresh Rate (Hz)	60	

Warranty

ONE-YEAR LIMITED WARRANTY ON PARTS AND LABOR

(Covers units purchased as new in United States and Puerto Rico Only)

VIZIO provides a warranty to the original purchaser of its products against defects in materials and workmanship for a period of one year of non-commercial usage and ninety (90) days of commercial use. If a VIZIO product is defective within the warranty period, VIZIO will either repair or replace the unit at its sole option and discretion.

To obtain warranty service, contact VIZIO Technical Support via email: TechSupport@VIZIO.com or via phone at 877 MY VIZIO (877.698.4946) from 6:00AM to 9:00PM Monday through Friday and 8:00AM to 4:00PM Saturday and Sunday, Pacific Time, or visit www.VIZIO.com. Proof of purchase in the form of a purchase receipt or copy thereof is required.

Parts and Labor

There will be no charge for parts or labor during the warranty period. Replacement parts and units may be new or recertified at VIZIO's option and sole discretion. Replacement parts and units are warranted for the remaining portion of the original warranty or for ninety (90) days from warranty service or replacement, whichever is later.

Types of Service

Units 30" or larger will usually be serviced in-home. In-home service requires complete and easy access to the unit and does not include de-installation or re-installation of the product. However, in some cases, it may be necessary to send the unit to a VIZIO service center. VIZIO will cover the transportation charges to and from the same customer location.

Units less than 30" must be sent to a VIZIO service center. VIZIO is not responsible for transportation costs to the service center, but VIZIO will cover return shipping to the customer. Pre-authorization is required before sending any unit in for service.

Any returns to VIZIO's service centers must utilize either the original carton box and shipping material or a replacement box and material provided by VIZIO. VIZIO technical support will provide instructions for packing and shipping the unit to the VIZIO service center.

Limitations and Exclusions

VIZIO's one-year limited warranty only covers defects in materials and workmanship. Items not covered include but are not limited to cosmetic damage, normal wear and tear, misuse, signal issues, power surges, and damages from shipping, acts of God, any sort of customer misuse, installation, customer modifications, adjustments, and set-up issues. Units with unreadable or removed serial numbers, "image burn-in", and routine maintenance are not covered. This warranty does not cover products sold "AS IS", "FACTORY RECERTIFIED", or by a non-authorized reseller.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED OR DESCRIBED ABOVE. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. VIZIO'S TOTAL LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE DISPLAY. VIZIO SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, COMMERCIAL LOSS, LOST REVENUE OR LOST PROFITS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. THIS WARRANTY IS SUBJECT TO CHANGE WITHOUT NOTICE. CHECK www.VIZIO.com FOR THE MOST CURRENT VERSION.

Personal Data

If your VIZIO product is capable of storing personal data and other information, ALL CONTENTS AND INFORMATION WILL BE DELETED IN THE COURSE OF SOME IN-HOME AND ALL SHIP-IN WARANTY SERVICE. If this occurs, your product will be restored to you configured as originally purchased. You will be responsible for restoring all applicable data and passwords. Recovery and reinstallation of user data is not covered under this Limited Warranty. In order to protect your personal information, VIZIO recommends that you always clear all personal information from the unit before it is serviced, regardless of the servicer.

ZERO BRIGHT PIXEL DEFECT GUARANTEE

This policy covers "zero bright pixel" defects for the duration of the limited "ONE YEAR WARRANTY" on select new product purchases. To determine if this guarantee applies to your product, refer to the "DETAILS" tab of the model's product information page (www.VIZIO.com) or look for the "zero bright pixel" guarantee on the box.

Index

16:9 30
4:3 30
Accessories 9
Adjustments
  Advanced 29
  Volume 12
Advanced Adjustments 29
Ambient Light Sensor 33
Antenna 19
Aspect Ratio 30
Audio Menu
  Advanced Audio 34
  Analog Audio Out adjustments 34
  Audio Mode adjustments 33
  Balance adjustments 33
  Digital Audio Out 34
  Equalizer adjustments 34
  Lip Sync adjustments 33
  Reset Audio Mode 34
  Speaker adjustments 34
  SRS TruVolume 34
  SRS TSHD (surround sound) adjustments 34
AV connector 19
Blackbars 30
Blocking Channels 36
Brightness 31
Cable Box
  Connecting 20
CC Closed Caption 30
CEC 39
Cleaning 40
Color 31
Component Video 19
Composite Video 19
Computer
  Connecting 26
  Preset Resolutions 47
  Resolution through RGB 47
Connecting
  Coaxial 24
  Component Video 21, 23
  Composite Video 21, 24, 25
  Computer 26
  DVI 20, 23
  HDMI 20, 22
  Home Theater 25
  RGB 26
  VGA 26
Connecting Equipment
  Cable Box 20
  DVD Player 22
  Satellite Box 20
Contents 9
Contrast 31
Controls
  Front Panel 12
  Jag Wheel 12
Daylight Savings setting 38
DTV Transition 5
DVD Player
  Connecting 22
EPG 18
Getting Started 16
Grounding 4
GUIDE Button 18
HDMI 19
HDTV Location 10
Home Theater
  Connecting 25
Horizontal/Vertical Position adjustments 32
Input Source
  Choosing 17
Inputs
  Antenna 4
  Connectors 19
Jag Wheel 12
Maintenance of TV 40
Media Menu
  Duration 28, 40
  Info 28, 40
  Repeat 28, 39
  Slideshow 28, 39
  Slideshow Effect 28, 40
  Sort By 28, 39
  Thumbnail Size 28, 40
Media Menu 39
Menu Language 38
Name Input 36
OSD 29
  CC Menu 30
  Input Menu 29
  Media Menu 39
  Picture Menu 31
  Settings Menu 35
  Sleep Timer Menu 31
  Wide Menu 30
Parental Controls
  Alt Rating Region 38
  Block Unrated TV 38
  Canadian English Rating 37
  Canadian French Rating 38
  Change the Password 38
  Channel Block 36
  Rating Enable 36
  Reset Locks 38
  USA Movie Rating 37
  USA TV Rating 37
Parental Controls 36
Password 38
Photos
  Adjusting Settings 28
  Viewing 27
Picture
  Reset Picture Mode 33
Picture Menu 31
  Adaptive Luma 33
  Advanced Video 33
  Ambient Light Sensor 33

- Backlight 31
- Backlight Control 33
- Brightness 31
- Color 31
- Color Enhancement 33
- Color Temperature 32
- Contrast 31
- Film Mode 33
- Noise Reduction 33
- Picture Mode 31
- Sharpness 32
- Tint 32

Pictures
- Adjusting Settings 28
- Create Slideshow 28, 39
- Info 28, 40
- Sort 28, 39
- Thumbnail Size 28, 40
- Viewing 27

Remote Control 14
- Batteries 14
- Buttons 15
- Precautions 14
- Range 14

RGB 19
Safety Instructions 2
Satellite Box
- Connecting 20

Search for channels 35
Setting Up 10
Settings Menu
- Audio 33, 36
- CEC 39
- Menu Language 38
- Parental Controls Menu 36
- Time & Local Settings 38
- Tuner 35

Setup Wizard 16
Sharpness 32
Skip Channel 35
Slideshow
- Duration 28, 40
- Effect 28, 40
- Mode 28, 39
- Repeat 28, 39

Specifications 45
Technical Support 44
Time Zone setting 38
Tint 32
Troubleshooting 41
Tuner Menu
- Analog MTS 35
- Auto Search 35
- Skip Channel 35
- Tuner Mode 35

TV Menu 29
- Partial Channel Search 35

TV Stand
- Attaching 10

USB Port 27
Video Adapter cable 19
Wall mounting 11
Warranty 48
Watching TV
- Getting your Programs 17
- Program Information 18

Wide 30